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GARDEN BOOK

German Nurseries AND Seed House

ESTABLISHED 1886.

1915

U. S. Department

Sonderegger

TREES AND SEEDS THAT GROW

BEATRICE, NEBRASKA.

To Our Friends and Patrons

I have pleasure in presenting you with this, my Twenty-Ninth Annual Catalogue. For almost a lifetime I have been engaged in growing fruit trees and with the help of four of my sons, who grew up in the Nursery and Seed business, I still, personally, look after the growing and shipping of my products. You may, therefore, rest assured you get well-grown, clean nursery stock and fresh, tested seeds, when you order from me.

The present season has been much better and more favorable for the growing of all kinds of trees and plants than the season of 1913, and I will be able to ship fine grades of clean, well rooted nursery stock.

I was one of the first to offer trees and plants direct to my customers and without the medium of agents. Cutting out the usual 50 per cent paid to agents, enabled me to make much lower prices and in the many years I have been in the business I have saved my customers thousands and thousands of dollars. My aim has always been to furnish first-class stock at lowest possible prices by eliminating all unnecessary expenses in growing and marketing same.

I thank you kindly for the most liberal patronage of the last season, and I assure one and all, that I appreciate it very much. Soliciting a continuance of same, I am,

Yours for good fruit and plenty of it.

CARL SONDEREGGER.

REFERENCES. My old customers know me. I refer all those who have never dealt with me, to Union State Bank, or Beatrice National Bank of this place.

WHAT I AGREE TO DO

MY TREES ARE GUARANTEED TRUE TO NAME. I take all proper precaution to have my trees true to label, both in the propagating and packing department, knowing how provoking it is to find that trees are not true to name when they come to bearing. Should any tree, though, from any fault of ours, prove not true to label, I will, on proper proof, either replace double the number, or refund the price paid for such trees and 6 per cent compound interest. It is understood, though, that I will not be liable for a greater amount than above stated. Above guarantee to be good on all shipments of trees and plants made after December 1, 1914.

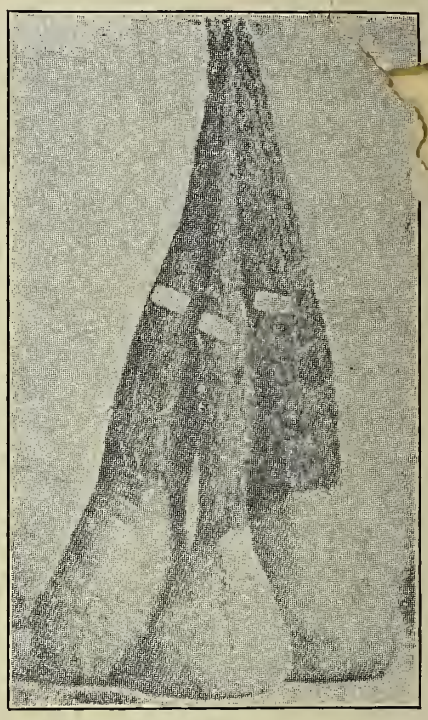
This should be a strong guarantee to my customers that I am doing everything possible to send out stock true to name.

DISCLAIMER ON SHIPMENTS OF SEEDS. While I exercise the greatest diligence and care to have all my seeds true to label and of best quality, I wish it understood that I give no warranty, express or implied, as to the description, quality or productiveness of any seeds I send out, and will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be at once returned. Subject to above conditions I make sales at the very moderate prices at which I sell my goods. This disclaimer is used by all reputable seed houses.

PREPAYING FREIGHT. I prepay freight (not express) to any railroad station in the United States and on all foreign shipments, to the United States border, on all orders for trees and plants (not seeds) amounting to $10.00 or more, provided the full amount of the order is in my hands before I make shipment. You will have less annoyance and trouble if I pay freight in advance.

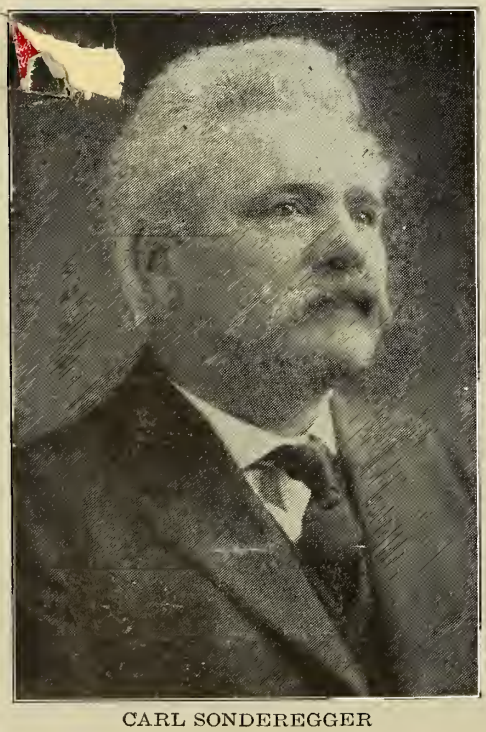
It also saves us a good deal of bookkeeping in a very busy season if the full amount is sent in with the order. Have your bank look up the German Nursery and Seed House in Dun's or Bradstreet's reports. You will find that we are responsible.

On seeds in bulk, also on all farm seeds, I do not pay the freight unless by special agreement. I might mention here, though that after this, freight rates out of Beatrice and to any point in Nebraska will average about 20 per cent less than formerly, owing to a new tariff ordered by the Nebraska Railroad Commission. This should be quite an inducement to order your seeds and trees of me.



Trees packed to go by express: Well packed; light weight.

Wünschen Sie einen deutschen Katalog bitte zu schreiben.



CARL SONDEREGGER

PARCEL POST

On pages 64, 65, 66 and 67, I give prices of all trees and plants that can go by parcel post, and at these prices I pay all postage. Please figure those prices when stock is wanted by parcel post, and do not order any other trees or other sizes not given on pages 64, 65, 66 and 67 to go by parcel post.

PRICES are given at the rate of **one, ten, one hundred** and **one thousand.** Five trees go at the rate I make per 10; 50 trees at the rate per 100, and 500 trees at the rate per 1000. This means that you can take 50 apple trees of as many varieties as you wish, and figure them at the 100 rate.

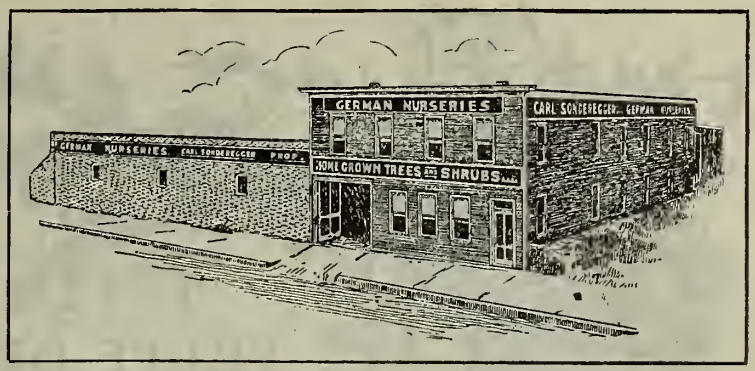
REMITTANCES should be made by Postal or Express Money Order, Bank Draft, Registered Letter, or I will take your personal check, if you prefer. Postal stamps in small amounts can be sent if necessary. A good many of these, though, reach me in bad condition, especially in damp weather.

CLUB ORDERS. If a number of neighbors order together, I will tie each order separate, with the purchaser's name attached, and then pack all together in one box. Persons sending in club orders please state what they wish for their trouble and I will gladly send a reasonable amount of trees, plants or seeds, free, for their efforts in getting these orders.

CLAIMS. All claims for errors, shortage or anything else pertaining to your shipment, must be made promptly after receipt of goods. In writing to me about your shipment, please remember to give your order number and full particulars. Human help is not infallible, and shipments, as well as mail matter, will miscarry, but please understand this: The complete satisfaction of my customers is my first wish, and I gladly rectify any and all errors on my part.

RAILROADS. I can ship from Beatrice direct over the Burlington (C. B. & Q. and B. & M.), the Union Pacific, and the Rock Island System. Also have splendid connections over all other lines at nearby terminals and connecting points.

EXPRESS COMPANIES. I have the Adams and the American Express Companies here. By these companies I am enabled to ship goods to any Express office in the United States, as well as to Canada and foreign countries. Rates are now much lower than formerly, and packages of 40 or 50 pounds go almost as cheaply by express as by freight and, of course, reach destination very much quicker.



Nursery Office and Packing House

TREES AND PLANTS FREE FROM INSECTS. My nurseries have been inspected by our State Entomologist, and are again inspected by an expert before shipping. You will get clean trees, free from any disease. There never has been any Yellows or San Jose Scale in our county, and I take every precaution possible to safeguard my customers. I also aim to comply with the laws regulating the traffic in trees and plants of all states, so my customers will have no trouble in getting the trees. Should any inspector, though, condemn any of my trees or plants, I will replace them, free of charge, as soon as I am notified.

QUALITY OF STOCK. My trees and plants are well and carefully raised, and grafting and budding are done by experienced workmen. I dig with the most modern tree diggers, and you get practically all the roots there are on a tree. Nothing is left undone to insure well developed, straight trees, with good, even tops and without forks. You will find my trees graded to the sizes given in this catalogue, and you will get just what you ordered. My soil is especially adapted to the raising of first-class nursery stock, and my rather severe climate insures vigorous, hardy stock, that can stand the raw, cold winters and the hot, dry summers, if necessary. I can point to good orchards from my nurseries in the Dakotas, as well as in California, Missouri and New York. You make no mistake in purchasing your trees of me.

ABOUT MY PRICES. I know the professional tree agent is continually talking against me. He will tell you that my trees are no good; that because they are so much cheaper they are not budded or grafted right; he will insist that his varieties are the only ones that grow in your climate. He is naturally fighting hard to make a sale, as he is well aware that he cannot compete with my prices. He has hotel bills, livery bills and car fare to pay, in order to see his customers personally. This comes very high, and he must add these expenses to his prices, while I send you a catalogue at a cost of 15c each. This accounts for my low prices. I aim to send out only first-class trees and plants, and with plenty of roots. All inferior, crooked or injured trees are carefully graded out and burned, as I well know that poor trees are dear at any price. In this way I have built up a large business with a very small beginning, my stock having always been the best advertisement for my Nursery. With trees, plants and seeds, the quality should be considered first, and then the price. Quality will be remembered long after the price has been forgotten.

GUARANTEED DELIVERY. I guarantee the safe arrival of all my shipments at destination. I will replace free of charge, any shipment lost or spoiled in transit, no matter whether goods go by freight, express or parcel post. You are not taking any risks. Trees and plants go by fast freight, and we seldom have any trouble, although we ship thousands of boxes as far east as New York and west to the Pacific States.

PACKING. In order to be able to handle my fast increasing trade, I have built a new packing house and cold storage room of the newest and most approved pattern. It is 160x140 feet, partly two stories, and giving me 30,000 square feet of floor space. My trees are not exposed to the sun or wind while being stored and packed. I drive direct from the nursery ground into the storage rooms, where the stock is graded and billed out in a cold atmosphere. In almost all cases where shipments go by freight, I pack in paper-lined boxes. When trees go by express, I pack in bales. Packed in this way, trees cannot be damaged in transit. I guarantee that all trees and plants reach my customers in fresh, healthy condition, wherever they go.

I send trees to Alaska, New Zealand, South America and China. I made a shipment of trees to China about January 2d, consisting of over 200 fruit trees for a German missionary. They were to go on the steamer from San Francisco January 15th, but were misplaced by a transportation firm there. Since, I have received the following letter from Reedley, Cal.: "Probably the following news will interest you: When Missionary Rev. H. C. Bartel of China bought some trees of you last winter, they were lost a few weeks. Finally after much trouble and expense, I found them and forwarded them to China and they finally arrived at destination, and I have just received a letter from Rev. Bartel under date of May 22d, as follows: 'Trees finally arrived and, to our astonishment, the most of them are growing now.' (Sig.) M. B. FAST, Reedley, Calif."
"June 23, 1914."

FARMERS' READY REFERENCE BOOK

On all orders of trees, plants and seeds amounting to $5.00 or more, and where full amount is sent with the order, I will send a Farmers' Ready Reference Book, free of charge. Description of book, page 127.

Seed Store

CATALOGUES I PUBLISH. GENERAL NURSERY AND SEED CATALOGUE, of which this is a copy. GERMAN CATALOGUE, same as above, but in the German Language. MARKET GARDENER'S WHOLESALE CATALOGUE, for gardeners and large truck farmers. FALL CATALOGUE, being an illustrated price list of bulbs and seeds for Fall planting.

Address All Orders to

German Nurseries and Seed House

BEATRICE, NEBRASKA

FRUIT DEPARTMENT

APPLES

The most important fruit we have, should be largely planted, as good apples always find a ready market at good prices. Plant a few early apples, a few fall and mostly winter varieties. In this way you will have apples almost the whole year, as some winter varieties will keep until May or June and the Early Harvest ripens again in July.

We give the best selection of varieties and you will find descriptions true, as near right as possible.

All our trees have good caliper and are of the sizes given. None of the apples we offer are over two years old from bud or graft, are thrifty and well rooted.

Prices of all varieties of Apple, **except Delicious:**

	By Freight or Express			
	Per 1	Per 10	Per 100	Per 1000
2-3 ft., one year from graft or bud	$0.07	$0.70	$ 7.00	$ 65.00
3-4 ft., one or two years from graft or bud	.12	1.10	10.00	95.00
4-5 ft., two years from graft or bud	.22	2.00	17.00	160.00
5-7 ft., two years from graft or bud	.25	2.30	22.00	200.00

The 4-5 and 5-6 feet trees are well branched, with good tops and strong caliper. 3-4 feet, two-year trees are branched. All one-year trees are whips.

WINTER VARIETIES

ARKANSAS BLACK. Large, rich dark red, fine flavor, best quality. Good keeper. Regular market variety.

BALDWIN. Large, bright red; crisp, juicy, rich. Very productive. Good Eastern variety; not planted much in the West.

BISMARCK. The remarkable characteristic of this apple is, that of early fruitage, one-year grafts and two-year trees perfecting fine and handsome fruits. Trees on dwarf stocks growing in pots or tubs, make fine decorative specimens. Fruit is large, handsome, yellow, shaded with red, tender, sub-acid, of medium quality; good for dessert or cooking. 2-3 and 3-4 ft. trees only.

BLACK BEN DAVIS. Stronger, hardier, better resister of drouth than the old Ben Davis. Fruit very handsome, large, solid dark red, long keeper and of best quality. One of the best for market.

BEN DAVIS. Old variety, large, red stripes, good keeper, quality medium.

FRANZ. A new apple from Germany. The tree is entirely hardy, has stood the test of the severe winters of 1898 and 1899 in Minnesota without being damaged in any way whatever, and has borne a crop of apples every year. It is a strong, vigorous grower, of symmetrical form, has smooth bark which never cracks, or is injured any way by frost or heat. The apples hang tightly on the tree, and it is seldom that one is blown off by the wind. The trees commenced to bear three years after transplanting, and have since borne a crop every year. When six years old, most of them bore over a bushel of sound apples. The fruit is medium to large in size, greenish with red, with white and tender meat, very thick skin, and ripens in Minnesota from the 20th to the end of September. It is a long keeper. Franz apple can only be bought of us.

Below are three very hardy varieties for the extreme North and Canada:

GIDEON. Origin, Minnesota. Another of Peter M. Gideon's originations that has been overshadowed by the Wealthy and others of its season. Size, medium; color light straw yellow, sometimes with faint bronze blush—an attractive color; flesh yellowish white, rather fine grained, juicy; flavor pleasant, slightly sub-acid, good. Will probably never attain commercial popularity, but recommended by many as a good, hardy variety for the home orchard.

HIBERNAL. Origin, Russia. December. This variety represents what is probably the hardiest type of the Russian race; adopted by many prominent horticulturists as a standard of hardiness. Tree sturdy, vigorous, very spreading and productive. Fruit large to very large, irregular; greenish yellow with dull bronze red on sunny side; flesh acid, juicy, very good for cooking. Succeeds in the most exposed locations and is popular in the Northwest on this account.

McMAHON. Origin Wisconsin. Also known as McMahon's White. Fruit large to very large; color greenish pale yellow to nearly white, often with suffused pale blush on sun side; flesh pale yellow with good acid flavor; skin very tender and does not stand tight packing; crisp and a good table apple in season; splendid cooker, as it has the proper firmness. Tree a strong grower and moderately productive. Has been grown extensively for several decades. Said to be a seedling of Alexander.

GANO. Improved Ben Davis. More even red, better flavor, hardy. Good for market.

GRIMES GOLDEN PIPPIN. Good size, golden yellow. Very best quality. Should not be planted north of here.

INGRAM. Medium size, yellow, covered with red; sub-acid, brisk, pleasant. Tree quick grower; bears abundantly; not affected by dry weather or off-year conditions; fruit always needs thinning. Keeps till June.

JANET. Medium size, green, juicy, good flavor. Blooms late. Good keeper.

JONATHAN. Best in regard to quality and flavor. Largely planted for commercial orchards. Red, bears young and constantly. One of the very best apples. Not hardy north of here.

MAMMOTH BLACK TWIG. Fruit large, dark red, firm, sub-acid and juicy; excellent quality and a long keeper. A regular market variety.

MISSOURI PIPPIN. Bears young and hardy. Fair quality. Does well in western Kansas and western Nebraska.

McINTOSH RED. Large, roundish, red. Flesh white, tender, mild, sub-acid. Very hardy and largely planted in Montana, Idaho and Wyoming. A good tree everywhere, and should be planted much more in Nebraska, as it is perfectly hardy here.

NORTHERN SPY. Large, bright red, extremely hardy. Very good quality. A very late bearer.

NORTHWESTERN GREENING. Extremely hardy and vigorous grower. Fruit large, greenish yellow when ripe. Good quality and a long keeper. Especially recommended for Northern states.

ROME BEAUTY. Not hardy in Nebraska, but a fine apple for the Southwest and Pacific countries. Fruit large, yellow with red. Good quality, a long keeper and largely planted for commercial orchards.

STAYMAN'S WINESAP. An improved Winesap. The fruit is red, juicy, sub-acid, aromatic, fine quality and a long keepeer.

SPITZENBERG. Large, oblong, nearly covered with red. An old variety, good bearer, very hardy and profitable. Regular market variety.

Winter Banana

APPLES—WINTER VARIETIES (Continued)

WINESAP. Old favorite, vigorous grower, and hardy. Fruit bright red, sub-acid, good quality, long keeper.

WHITE WINTER PEARMAIN. Pale yellow, juicy, tender and of best flavor. Largely planted on the Pacific Coast.

YORK IMPERIAL. Should be largely planted. Fruit large, almost entirely red, tender, juicy, best quality and hardy in Nebraska.

YELLOW BELLFLOWER. Large, oblong; yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; one of the standard varieties in California and should be extensively planted; tree a good grower and very productive; largely planted in the East.

WINTER BANANA. An excellent variety, which has stood the severest tests. Tree is hardy and will succeed in very cold climates, its wonderful productiveness will bring quicker and larger returns than any other apple in the orchard. The fruit has a richness in flavor that cannot be described. Surpasses in aromatic taste the choicest pear. Flavor very rich, spicy and aromatic. Flesh golden yellow, fine grained, firm and juicy. Tree a very strong grower and will grow to be of immense size, suitable for lawn or shade tree, the leaves being nearly double the size of other sorts. Plant freely in Nebraska.

TRUE DELICIOUS. Fruit is large, with the surface almost covered with a most beautiful, brilliant dark red, blending to golden yellow at the blossom end. In quality it is unsurpassed, in flavor sweet, slightly touched with acid, but only enough so as to make it all the more pleasing, with an aroma delightfully fragrant. The flesh is fine grained, crisp, juicy, melting and withal delicious. In keeping quality it ranks with the best, coming out of storage in March and April in perfect condition. Tree is very hardy. Delicious originated twenty years ago at Peru, Madison Co., Iowa, by the late Jesse Hiatt, and on his farm the original tree still flourishes, bearing annual crops of beautiful fruit. We advise all our customers in the Middle West to plant Delicious. You will never regret it. No better apple exists. Is no more an untried novelty, but has been largely planted in the Middle West and Pacific states. Commercial orchardists plant them by the thousand.

		By Freight or Express		
Price of Delicious Apple:	Per 1	Per 10	Per 100	Per 1000
2-3 ft., one year from graft or bud	$0.10	$0.95	$ 9.00	$ 85.00
3-4 ft., one or two years from graft or bud	.15	1.30	12.00	115.00
4-5 ft., 2 yrs. from graft or bud, well branched	.25	2.20	20.00	190.00
5-6 ft., 2 yrs. from graft or bur, well branched	.28	2.60	25.00	240.00

FALL VARIETIES

(See prices, page 2)

WEALTHY. A variety highly valued for its extreme hardiness at the far North. Tree is a thrifty grower and a good bearer. Fruit medium, roundish, skin is smooth, mostly covered with dark red, flesh white, fine grained, juicy, sub-acid, good quality. Will keep till January. Extra good sort and splendid dessert and cooking apple. This is one of the few most desirable varieties for Minnesota, Wisconsin, Iowa and Nebraska, as well as the Eastern and Middle states.

AUTUMN STRAWBERRY. Good size and color, fair quality for table and market. Ripens in September.

RAMSDELL SWEET. Rather large, dark red, productive, best sweet fall apple. September.

FAMEUSE (Snow). Fine dessert apple. Deep crimson, snowy white flesh. Hardy, but does not bear as young as some other varieties.

MAIDEN BLUSH. Good size, fine flavor, beautifully blushed, good bearer, a fine apple for home and market. September.

WOLF RIVER. A Wisconsin apple. Very large, handsome light yellow and red, and fair quality. Hardy. September.

SUMMER VARIETIES

(See prices page 2.)

All early varieties bear well, but the apples do not keep long. It is therefore not best to plant too many of these early trees.

DUCHESS OF OLDENBURG. A Russian apple, extremely hardy, medium size, yellow with red stripes. Rather acid. A good cooking apple. Very profitable. July to August.

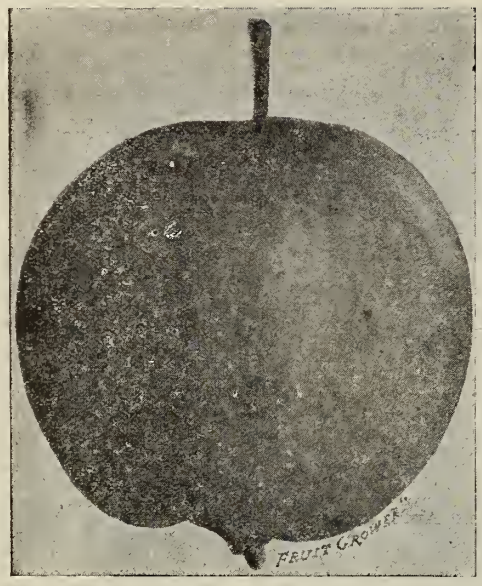
EARLY HARVEST. Fruit medium size, greenish yellow, tender and juicy. First to ripen in July.

RED JUNE. A little later than Early Harvest. Medium size, yellow and red stripes, very good quality and good bearer. The best early apple. July to August.

RED ASTRACHAN. Fruit large, beautiful, deep crimson, crisp, juicy and of good quality. A hardy Russian variety. Splendid market sort. August.

YELLOW TRANSPARENT. One of the earliest apples. Fruit is medium large, smooth, transparent. Skin is clear white, turning pale yellow when ripe. Flesh white, fine grained, aromatic, and of splendid quality. Tree is vigorous, good bearer. Two-year-old trees frequently produce fruit. Succeeds well in all Eastern states, and should be planted in all cold climates. Succeeds well on thin soils. Ripens in early August. Its hardiness, vigor and early bearing commend it to planters.

True Delicious



Martha Crab

CRAB APPLES

Perfectly hardy everywhere. Good annual bearers. Excellent for cider, preserves and canning.

Price of all varieties of Crab:	By Freight or Express Per 1	Per 10	Per 100	Per 1000
2-3 ft., one or two years from graft	$0.07	$0.70	$ 7.00	$ 65.00
3-4 ft., one or two years from graft	.12	1.10	10.00	95.00
4-5 ft., two years, well branched	.22	2.00	17.00	160.00
5-6 ft., two years, well branched	.25	2.30	22.00	200.00

FLORENCE. Originated in Minnesota. Profuse bearer. Fruit large and of good quality.

HYSLOP. Medium size, crimson red with blue bloom. Fine quality, very showy. Should not be planted north of here. September to October.

MARTHA. Handsome, showy, best quality and enormous bearer. One of the best.

WHITNEY NO. 20. A large crab, 1½ to 2 inches in diameter. Skin smooth, glossy green, striped with red. Flesh firm, juicy and flavor very pleasant. A fair dessert apple, and one of the best for cider and vinegar. Tree a great bearer and very hardy. Really deserves a place in our apple list. There are few early varieties of so much merit. One of the best for the Northern states. Ripens in August.

TRANSCENDENT. Fruit medium, brownish red and handsome. Excellent for jelly and preserves. Good grower and immense bearer. September.

YELLOW SIBERIAN. Fruit is very small; comes in bunches and is very acid. Tree vigorous, hardy and very good bearer.

DWARF APPLES

These are budded on Doucine stock, which dwarfs the trees, same as Pear or Quince stock. They are perfectly hardy south of Nebraska and can be raised successfully north of here, if the ground around the trees is covered with straw or a few shovelsful of dirt over winter. Dwarf apples bear fruit when two or three years old. They are especially adapted to plant in small yards or town lots, where the space is limited, as they can be planted 10x10 feet. They can also be grown in tubs or barrels and will bear in a short time.

Price of Dwarf Apple:	By Freight or Express Per 1	Per 10	Per 100
2-3 feet, one year from bud	$0.30	$2.80	$27.00
3-4 feet, two years from bud	.35	3.30	30.00

Jonathan, Maiden Blush, York Imperial, Baldwin. For descriptions of these varieties, see pages 2 and 3.

WHAT TO PLANT

Mr. L. A. Goodman, president of the Missouri Valley Horticultural Society, read the following in regard to varieties for profit, at the March meeting of that organization: "In giving this list of varieties for profit, I shall designate two districts: The northern will include northern Missouri and southern Iowa, and points of the same latitude in eastern Kansas and Nebraska and other Middle West states adapted to apple growing. The southern district will include southern Missouri and northern Arkansas, and eastern Kansas and Oklahoma and points of the same latitude in nearby states adapted to apples. These varieties will be given in their order of ripening, and it must be remembered that the availability of markets must also be considered in their selection."

The list:

YELLOW TRANSPARENT. Best in the northern district; good in south district.

DUCHESS. Best in north only.

BENONI. Best in north and best in the south.

EARLY HARVEST. Best in north and good in south.

LOWELL. Good in north and best south.

MAIDEN BLUSH. Best in north and best in south.

WEALTHY. Best in north and good in south.

GRIMES GOLDEN. Best in north and best in south.

JONATHAN. Best in north and best in south.

YORK IMPERIAL. Best in north and best in south.

HUNTSMAN. Good in north and good in south.

LADY SWEET. Best in north and best in south.

GANO. Best in north and best in south.

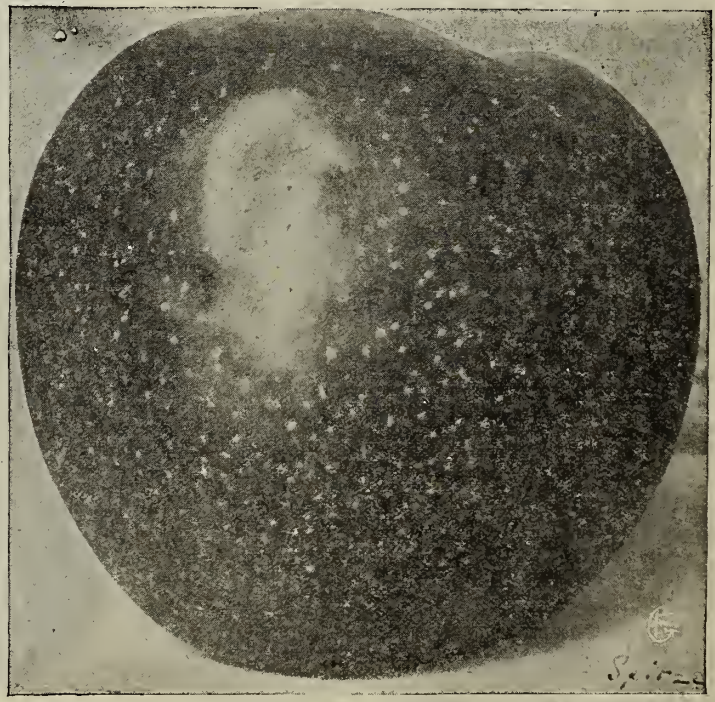
STAYMAN'S WINESAP. Best in north and best in south.

BEN DAVIS. Best in north and in south.

INGRAM. Best in north and in south.

"There are some other varieties of late origin that are proving very profitable, but there is only one I would recommend for further testing for general planting, and that is the Delicious."

The Most Profitable Apple. "The one most profitable variety in the last six years has been the Ingram. The three most profitable varieties in that time have been the Ingram, Jonathan and York. For the five most profitable varieties, add the Ben Davis or the Gano, and Stayman's. The seven most profitable varieties extend to include Wealthy and Grimes. The ten most profitable varieties, add Yellow Transparent, Benoni and Maiden Blush."



Spitzenberg

DWARF PEARS

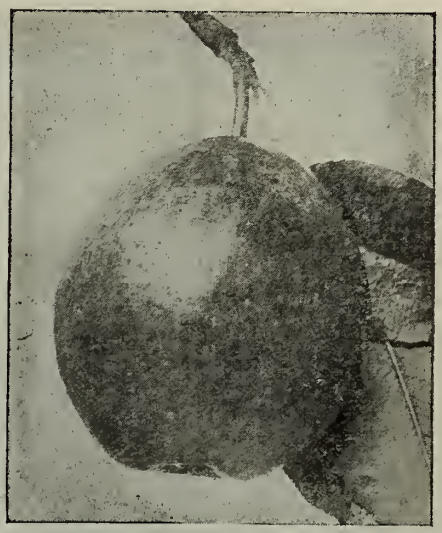
Dwarf Pear trees are budded on Quince stock. They never grow very large, therefore can be planted close together, about 12 by 12 feet is right. This makes them suitable for gardens and town lots. They will bear two or three years after being transplanted. If the ground is drawn up around the tree in the late fall to protect the roots, they are perfectly hardy in Nebraska. Spraying with Bordeaux Mixture will keep the blight away. Try a few trees and you will be surprised how soon you will raise a crop of Pears. We have the following varieties of Dwarf Pears:

DUCHESS, KEIFFER, CLAPP'S FAVORITE, SECKEL, ANJOU, BARTLETT

For description of these varieties see under standard pears.

Garber

We Pay Freight on Orders for Trees and Plants (not seeds) amounting to $10.00 or more.



Wilder

Price of all varieties of Dwarf Pears:	By Freight or Express Per 1	Per 10	Per 100
2-3 ft., mostly one year from bud	$0.15	$1.30	$11.00
3-4 ft., mostly 2 years from bud, branched	.25	2.30	20.00
4-5 ft., 2 years from bud, well branched	.30	2.70	25.00

PEARS—STANDARD

This is one of the very best fruits we have. It far excels the apple in flavor. They should be planted 20 feet apart. It is advisable to plant several varieties in the same orchard as the trees will bear better. Tendency of the pear root is to grow straight down, therefore the holes should be dug deep (or, better yet, shoot the holes with dynamite), and refilled to the proper depth with loose earth. Spraying with Bordeaux Mixture prevents pear blight. Cut back the long shoots every year about half, and you will have no trouble in raising plenty of pears here in the West. Our list embraces the best varieties. Pears do well in a variety of soils, on clay-loam, sandy, gravelly and rich soil. The soil, however, must not be wet. The tree will thrive where apple or peach would starve, and will produce good fruit without much care or cultivation, yet it will repay well any attention to care. Pears are always marketable at a good price.

Price of all varieties of Pears, except Bartlett, Anjou and Winter Nellis:	By Freight or Express Per 1	Per 10	Per 100	Per 1000
2-3 ft., 1 year from bud, whips	$0.15	$1.30	$12.50	$105.00
3-4 ft., 1 or 2 years, partly branched	.20	1.80	17.00	160.00
4-5 ft., 2 years, well branched	.27	2.60	24.00	220.00
5-6 ft., 2 years, well branched	.35	3.40	32.00	300.00

CLAPP'S FAVORITE. Tree a vigorous, upright, spreading grower, very hardy and productive. Fruit very large, of uniform size, pale yellow, flesh fine grained, juicy, buttery, melting, sweet and rich. One of the very best for Nebraska. Ripens last of August.

DUCHESS (Duchess d'Angouleme). Very large, fine quality, very juicy. Tree hardy and good bearer. Does well in Nebraska, best all around Dwarf Pear. Ripens October.

FLEMISH BEAUTY. Large, handsome, sweet and melting, pale yellow, covered with russet. Hardy, vigorous and good bearer. Ripens in September.

GARBER. Large, juicy, bright yellow. Quality medium. Good pear where Keiffer does well. Ripens end of September.

HOWELL. Tree good grower and productive. Hardy. Fruit waxen yellow with red cheek. Flesh white, juicy, melting. Hardy in the West. Ripens September to October.

KEIFFER. Profitable market variety. Very large, of fine appearance. Good for canning. Quality fair to good. Does well in Kansas, Oklahoma and Texas. Ripens in October.

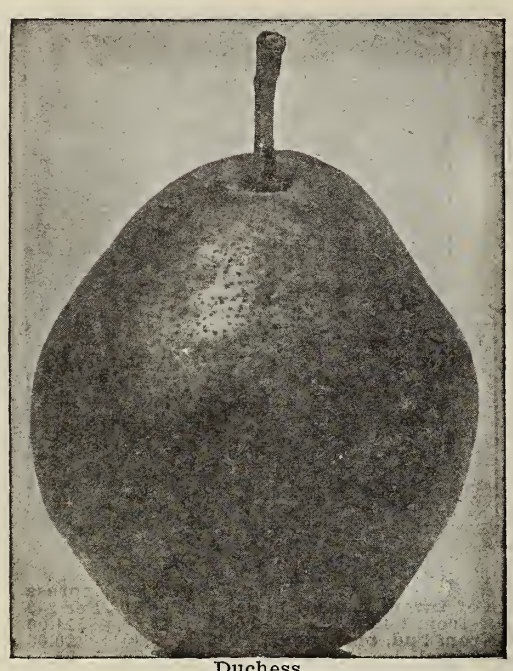
KOONCE. Medium size, yellow with carmine cheek, sweet and highly flavored. Tree vigorous, resists blight, a good bearer. Hardy. Ripens July to August.

LAWRENCE. Large, yellow with brown dots, hardy and productive. Good winter pear. Ripens October.

SECKEL. (Sugar Pear.) Small, but of highest flavor. Tree slow erect grower, healthy and hardy. Probably the best dessert pear on the market. Ripens September to October.

WILDER. Medium size, greenish yellow. Very good quality and profitable. Early August.

Duchess Dwarf Pear Tree



Duchess

PEARS—STANDARD (Continued)

Price of Bartlett and Anjou

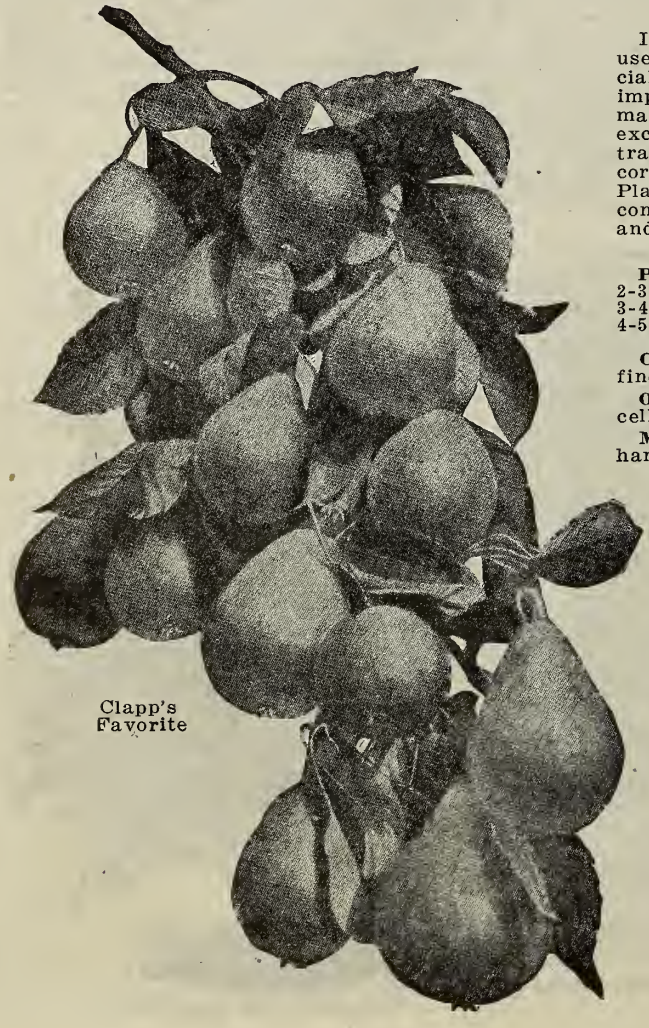
	By Freight or Express			
	Per 1	Per 10	Per 100	Per 1000
2-3 ft., 1 year from bud, whips	$0.18	$1.70	$15.00	$140.00
3-4 ft., 1 year from bud, whips	.23	2.10	20.00	190.00
4-5 ft., 2 yrs. from bud, branched	.30	2.90	27.00	250.00
5-6 ft., 2 yrs., well branched	.38	3.70	35.00	330.00

ANJOU. (Beurre d'Anjou.) A large, greenish pear, shaded with russet crimson. The flesh is highly flavored, rich and vinous, excellent quality. The tree is very productive, either dwarf or standard. For late fall and very early winter use we have no better variety. Keeps well until winter holidays, when it demands a high market price. A valuable and profitable sort that succeeds everywhere, is popular on all markets, and is one of the very good pears that has been neglected by orchardists.

BARTLETT. Fruit large, skin very thin, clear lemon yellow, with soft blush on sunny side. Flesh white, buttery, very juicy and highly flavored. The best summer pear in existence. Tree a strong grower, very fruitful and bears young, but requires good cultivation to bring fruit up to its highest excellence. Thrives in all parts of California. The most popular of pears, and highly esteemed for canning and shipping. Ripens August to September.

WINTER NELIS. Medium, skin yellowish green, dotted with gray russet; flesh yellowish white, fine grained and abounding with juice of a rich, saccharine, aromatic flavor; thrives best in warm localities and is especially adapted to a warm, dry climate; a regular bearer. An excellent shipper and good keeper. Ripens in October. In the spring of 1913 I took a few Winter Nellis scions and grafted them on a four-year-old Dwarf Pear, and at this writing, fall, 1914, most of these branches are bearing from 6 to 16 pears. It seems to be a very fast grower, and prolific bearer. It stands Nebraska winters all right. We have 2-3 and 3-4 feet trees only.

Price of Winter Nelis:	By Freight or Express Per 1	Per 10	Per 100
2-3 feet, 1 year from bud	$0.22	$2.00	$18.00
3-4 feet, 1 year from bud	.30	2.80	27.00



Clapp's Favorite

QUINCES

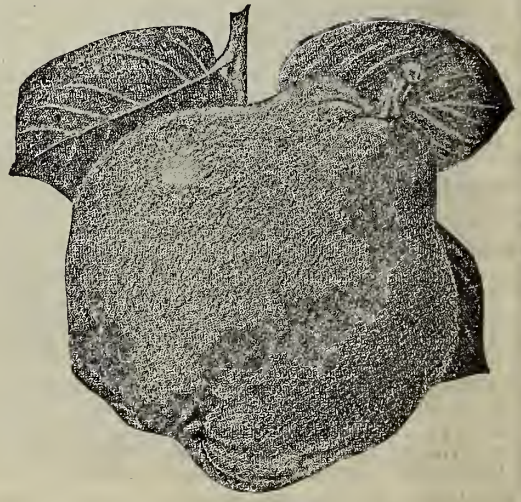
In Quinces we have a very desirable fruit. It is used a great deal for preserves and canning, especially with other fruits. A small part of quince will impart the quince flavor to three or four times as many apples. Quince syrup is very delicious, even excelling the finest maple syrup. The tree is easily transplanted and does well on any good soil on which corn grows well. It is hardy as far north as Nebraska. Plant trees as close as peach or plum. Under proper conditions and good culture the tree bears heavily and regularly and is a highly profitable crop.

Price of Quinces:	By Freight or Express Per 1	Per 10	Per 100
2-3 ft., few branched, budded	$0.30	$2.50	$22.00
3-4 ft., branched, budded	.35	3.00	28.00
4-5 ft., branched, budded	.40	3.70	33.00

CHAMPION. Fruit large, oval, rich and aromatic, fine quality and long keeper.

ORANGE. Very large, yellow, rich, aromatic, excellent flavor, long keeper. Always sells well.

MEECH PROLIFIC. Medium size, orange yellow, handsome, fragrant, good and young bearer.



Quince

Sonderegger's Sweet

CHERRIES

This is one of the best fruits we have. The sour varieties are very hardy and will bear a full crop almost every year, commencing to bear when three years old. There is hardly a more profitable fruit tree than the cherry for the Western states. Sweet cherries need a very protected place in Nebraska, as they are not so hardy as the sour kind.

The Cherry succeeds well on dry soils. Should not be planted in damp or swampy places. The Cherry, being a very hardy tree, will thrive in the Northern states. Perhaps no other fruit crop brings larger or better returns, and it is strange that they are not more largely planted for commercial purposes. They will thrive under more careless cultivation than any other fruit. However, they respond quickly to good care and should be cultivated at least until the trees commence to bear.

All our Cherries are budded on Mahaleb stock, which does not sprout from the roots. The trees must not be planted too deep, about an inch deeper than they stood in the Nursery. Plant about 16x16 feet. By heading the main leading branches back, the first few years you will get low, bushy tops, which will come very handy in picking the fruit.

Prices of all varieties of Cherries, except Compass, Rocky Mt. and Sonderegger's Sweet:

	By Freight or Express			
	Per 1	Per 10	Per 100	Per 1000
2-3 ft., 1 year from bud	$0.17	$1.70	$17.00	$160.00
3-4 ft., 1 or 2 years from bud	.25	2.40	22.00	200.00
4-5 ft., 2 years, well branched	.37	3.50	33.00	300.00
5-6 ft., 2 years, well branched	.47	4.50	43.00	400.00

Cherries for this season are not as plentiful as usual. We have made very low prices though, and our trees are fine, well-rooted and strong.

EARLY RICHMOND. (English Pie Cherry.) A well-known old standard variety. Tree is hardy, healthy, a free grower, very productive and regular in bearing. Fruit red, of medium size, acid, rich and one of the best for canning. The most popular of the true Kentish cherries. Ripens in June.

ENGLISH MORELLO. Fruit large, very dark red, nearly black; tender, juicy, acid, rich, of good quality. Owing to its rich red color looks much better when canned than the Early Richmond. Tree dwarf, slender and spreading, bears young. Ripens July.

MAY DUKE. An old, well-known, excellent variety. One of the best and most dependable of the Duke class. Fruit large, dark red, juicy and rich; almost sweet. Tree is rather dwarf in habit, vigorous and productive. Ripens in June.

LATE DUKE. Large, light red, late and excellent. It ripens when most other cherries are gone and always brings a good price in the market. Ripens end of July.

MONTMORENCY. Large, red, rich, acid. Very hardy and productive. A cherry of the Richmond class, but larger and more solid. Strong, upright grower. Ripens ten days later than Early Richmond.

OSTHEIMER. Large, heart-shaped, nearly black when ripe, juicy and rich. Fine for dessert and cooking. Unsurpassed for market. Trees bloom late and bear fruit when quite young. One of the most productive of all cherries. Ripens middle of July.

WRAGG. Originated in Iowa and has become very popular in the Northwest and Western states. Fruit is medium to large, dark red and of fine quality. Tree is very hardy, vigorous and productive, is of dwarfish growth, with spreading round head; not subject to disease. This is one of the few cherries of good commercial quality that is perfectly hardy. Ripens in July.

A NEW SWEET VARIETY

SONDEREGGER'S SWEET. This Cherry I found in southeastern Nebraska. It is of the Morello type, jet black, of good quality and very sweet. As Sweet or Heart cherries cannot be successfully grown in Kansas and Nebraska, this will make a good substitute. Sonderegger's Sweet is perfectly hardy in Nebraska and bears well. Its dark color makes it especially attractive for canning. The tree is a vigorous grower, very healthy, hardy and productive. Have only 2-3 and 3-4 foot trees this year.

Price: 2-3 feet, 40c each, 10 for $3.50; 3-4 feet, 50c each, 10 for $4.50.

HEART OR SWEET VARIETIES

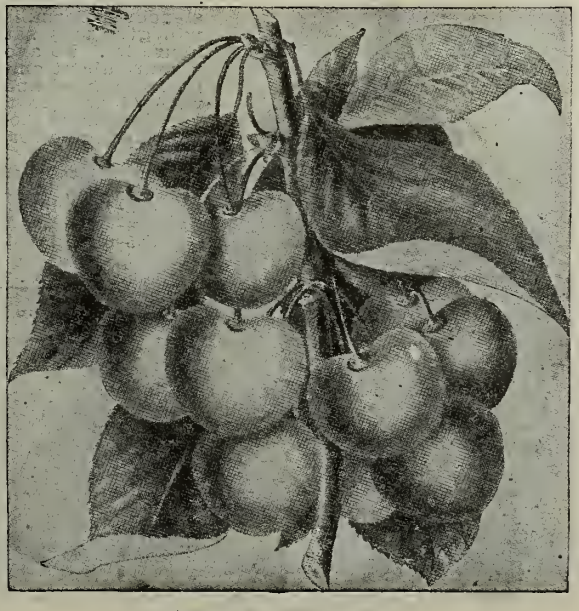
BING. Very large, dark brown, almost black; flesh firm, sweet, rich and delicious. On the Pacific Coast, where this variety originated, it is considered one of the most profitable sorts.

BLACK TARTARIAN. Very large fruit of purplish-black color, flesh is mild and sweet, of superb quality. Tree is vigorous, upright grower and immense bearer. A popular cherry and fine market sort. First of July.

LAMBERT. This very promising cherry is of the largest size, bright rich dark purplish-red color, turning almost jet black when ripe. Surface smooth, glossy, covered with minute russet dots. Flesh reddish with whitish veins; very firm and of unsurpassed quality. Stands well in the lead as a shipping variety. Tree healthy and rugged, strong grower, immense bearer. Ripens ten days later than Napoleon Bigarreau.

NAPOLEON BIGARREAU. (Royal Ann.) Magnificent cherry, of largest size; pale yellow, amber in the shade, richly dotted deep red. Very firm, juicy and sweet. Rapid grower and immense bearer. Most popular for canning, preserving and shipping. Is hardiest and best yellow sweet sort. Immense market for the fresh fruit at top prices. Ripens end of June.

YELLOW SPANISH. (Bigarreau.) Large, heart-shaped, pale yellow, with bright red cheek when exposed to the sun. Flesh firm, juicy and delicious. Very popular and a good market cherry. Tree vigorous and productive. Ripens late in June.



Napoleon Bigarreau

COMPASS CHERRY-PLUM

The almost phenomenal sale of Compass Cherry-Plum last spring, shows again how well this fruit is liked wherever known. We did not have enough trees to supply all our orders last year. For the spring 1915 we will have an unusually large stock of these, all well rooted, sound, healthy trees. Send in your orders early and you will be sure to get them. Please compare our prices with those of the tree agents. We have made prices very reasonable, and besides you will be sure to get the true Compass.

Absolutely hardy everywhere. The cherry was originated at Springfield, Minn. It is a cross between the Sand Cherry and the Miner Plum. Fruit nearly an inch in diameter, a bright red, sweet and juicy, and of very fine flavor. When young and green the fruits have more the appearance of undeveloped plums, but as they mature they become round, like a cherry. The pit is somewhat elongated. In color the fruit is bright red, when fully ripe, a dark wine shade. For canning and culinary purposes this fruit is unsurpassed. The original tree bore fruit the third year from the seed and has borne a full crop every year since. The tree is a regular and heavy bearer, and produces fruit the next year after setting out. Its early bearing is truly wonderful. This tree should be planted everywhere. It will do well from Texas to North Dakota. Especially would I advise my customers in western Nebraska, western Kansas and eastern Colorado to plant them largely. They will bear good crops of valuable fruit, when all other trees fail.

Price of Compass Cherry-Plum:	By Freight or Express Per 1	Per 10	Per 100
2-3 ft., mostly 1 year from bud	$0.20	$1.90	$18.00
3-4 ft., mostly 1 year from bud	.30	2.70	25.00
4-5 ft., 2 years from bud, branched	.40	3.70	35.00
5-6 ft., 2 years from bud, branched	.50	4.50	42.00

Note what some of our customers have to say in regard to Compass Cherry-Plums:

"It may interest you to know that the Compass Cherry-Plum set out in December bloomed the following April and bore some fruit on the yearling trees no more than two feet high. The entire stock was first class and better than I have received from any other nursery. —J. C. Estlack, Eunice, N. M."

DeSoto, Iowa, October 9, 1914.

"Dear Sirs: The Compass Cherry-Plums I bought from you one year ago last spring, were loaded with fruit this summer. The black currants have made a great growth—had a few currants on, but the bushes are getting a great size.—R. Thompson."

Compass Cherry

ROCKY MOUNTAIN CHERRY

A native cherry of dwarfish habit, perfectly hardy everywhere in the Northwest and stands coldest winters without protection. Fruit about as large as Early Richmond, color dark brown to black. Somewhat astringent to eat from the hand, but cooks well and makes fine preserves and jellies. Very early and an abundant bearer. Can be planted about as close as currants. Very desirable in the Northwest, where better cherries cannot be grown. Ripens early in July, after other cherries are gone. Bush (it is not really a tree) is very ornamental and deserves a place in every yard.

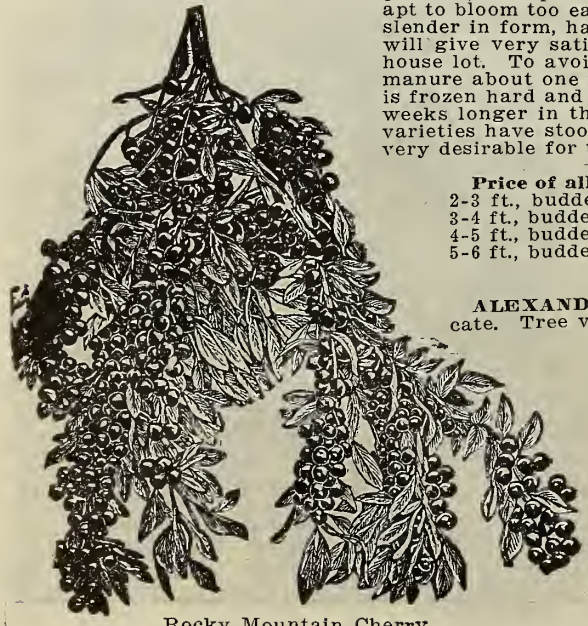
Price of Rocky Mountain Cherry:	Freight or Express. Per 1	Per 10	Per 100
1½-2½ ft., nice bushy little trees	$0.15	$1.30	$12.00

CORNELL-CHERRY (Cornus Mascula)

A small tree or bush, very ornamental. Flowers which come very early are golden yellow, while the berries or cherries are red and are edible, somewhat acid; fine for jellies. Well known in Germany, where it is largely cultivated for the fruit. Also used for hedges. **Price, 2-year-old bushy plants, 35c each; 10 for $3.00.**

APRICOTS

A most delicious fruit of the plum species. Is of a distinct flavor and one of our best and most profitable market fruits. The tree bears very young and most profusely. Ripening as it does between the cherries and peaches, the apricot is a most welcome fruit. In very sunny localities it is apt to bloom too early in the spring and get caught by the frost. The tree is slender in form, has beautiful dark-green foliage, pretty pink blossoms, and will give very satisfactory results as an ornamental tree in any garden or house lot. To avoid being caught by late spring frosts, spread long, strawy manure about one foot thick around the tree, in the winter after the ground is frozen hard and deep. The manure will keep the frost in the ground two weeks longer in the spring, and the tree will not bloom so early. Russian varieties have stood 30 degrees below zero without injury and are therefore very desirable for the Northwestern states and expcsed localities.



Rocky Mountain Cherry

Price of all varieties of Apricots:	By Freight or Express. Per 1	Per 10	Per 100	Per 1000
2-3 ft., budded, mostly branched	$0.19	$1.80	$17.00	$150.00
3-4 ft., budded, branched	.25	2.30	21.00	190.00
4-5 ft., budded, branched	.30	2.80	26.00	.....
5-6 ft., budded, branched	.35	3.30	31.00	.....

RUSSIAN VARIETIES

ALEXANDER. Good size, oblong, yellow with red, sweet and delicate. Tree very hardy. Middle of July.

BUDD. Large, yellow, wi h red cheek, rich and slightly acid. Tree hardy and very prolific. July 1st to 10th.

SUPERB. A new variety from Kansas, very hardy, of the Russian type. The best flavored, most productive apricot yet produced. Medium size, light salmon color and of excellent quality.

AMERICAN VARIETIES

EARLY GOLDEN. Fruit small, pale orange yellow, juicy and sweet. Tree hardy and productive. The best of the small fruited sorts. Ripens about July 1st.

ROYAL. French origin. Medium size, dull yellow with red cheek. Flesh pale orange, with rich vinous flavor. Not hardy in Nebraska. June.

MOORPARK. Very large, yellowish green with red on sunny side. Flesh bright orange on freestone. Fine for canning and drying. Not hardy in Nebraska. Largely planted on Pacific coast. Late June.

RUSSIAN APRICOT SEEDLINGS

These are grown from seed of the Russian apricot, but are not budded or grafted. They bear good fruit, not very large, but well flavored and are very hardy, having borne fruit as far north as the middle of South Dakota. Very pretty, erect ornamental tree, with dark glossy green leaves and pretty pink flowers. **Price,** 2-3 feet, 7c each, 10 for 50c, 100 for $3.00.

PLUMS

Plums should be planted about 10 feet apart, and varieties should be mixed. Better plant four or five varieties than only one, as they will bear much better than when one variety is planted alone. The native varieties do well anywhere in the West. The foreign varieties are very hardy and will do well as far north as Minnesota and South Dakota. The plum prefers a rich and rather sandy or clayey loam soil and, like all fruit trees, it will not thrive in cold, wet land. To one who is willing to give his orchard a reasonable amount of attention and cultivation, plum growing can be made highly profitable.

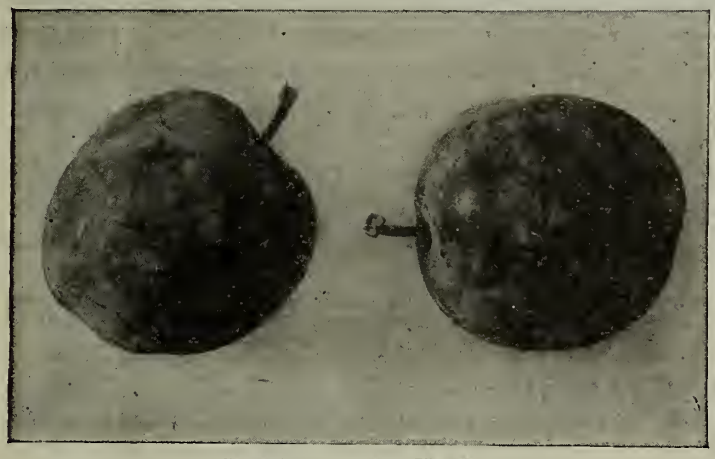
Price of all varieties except Sapa:

	By Freight or Express			
	Per 1	Per 10	Per 100	Per 1000
2-3 ft., 1 or 2 yrs. from bud	$0.17	$1.70	$17.00	$160.00
3-4 ft., 1 or 2 yrs. from bud	.25	2.30	22.00	200.00
4-5 ft., 2 yrs. bud, well branched	.35	3.30	32.00	.....
5-6 ft., 2 yrs. bud, well branched	.43	4.00	38.00	.....

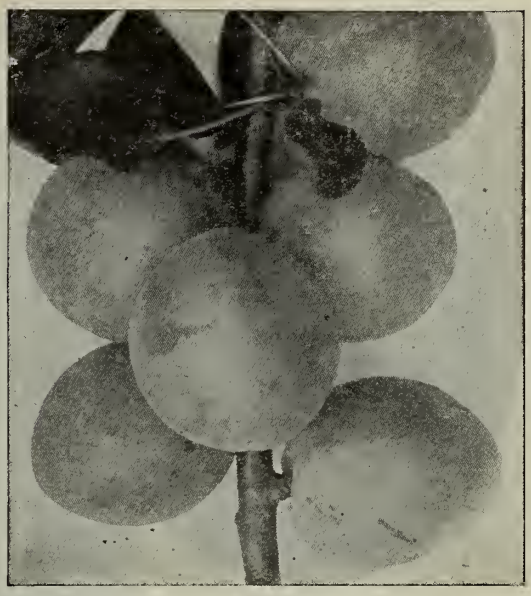
NATIVE VARIETIES

A GRAND NOVELTY

ADMIRAL SCHLEY. A new variety sent out by Mr. Terry, of Iowa, a plum expert. The tree resembles somewhat the Stoddard and the Forest Garden. The fruit is much larger through, and of fully better quality. For two seasons it has taken the premiums over all plums at the Iowa State Fair.



Sapa Plum, Very Hardy



Superb Apricot

One of the very best and most profitable of the native type of plums. Although it is a recent introduction we offer them at the same price as other plums as quoted above.

FOREST GARDEN. Large, nearly round, purplish red, rich and of good flavor. Good market variety. August to September.

WOLF. No Western native plum has been more generally commended than this. It is very productive, regular in bearing from Kansas to Minnesota, being perfectly hardy and has given good satisfaction whenever planted. Fruit good flavor and quality. Stone perfectly free. Season medium. Tree beautiful and symmetrical, inclined to over bear. Very popular.

SURPRISE. (Hortulana.) A variety introduced by Mr. Penning of Sleepy Eye, Minnesota, and is said by many to be the finest in quality of any of the cultivated varieties in the native Miner group, also the hardiest of that type. Fruit large to very large, skin medium thick, tender, bright red, flesh pale yellow, meaty and of fine flavor, quality extra good. Season medium. Tree an upright, vigorous, healthy grower, and is everywhere reported very productive. A splendid variety for either home or commercial culture and should be found in every collection. The Surprise plum has given the very best satisfaction in the Western and Northwestern states.

WILD GOOSE. The first native plum to be generally planted. Fruit of medium size, bright, clear red, with blue bloom, of sweet flavor and very juicy. Ripens medium early. Tree healthy and spreading, blooms in large, snowy banks and is very ornamental. On account of earliness, productiveness and good shipping qualities it is a popular sort. Season, July.

WYANT. Large, round, oblong, dark red, flesh firm, perfect freestone and excellent quality. Hardy anywhere. Good for market.

SAPA. Very fine, perfectly hardy new plum. Introduced by Prof. Hansen of South Dakota State College of Agriculture. Prof. Hansen's description: "The female parent is one of our selected seedlings of the western sand cherry (Prunus Besseyi), favorite fruit of the Sioux Indians. The male parent, a large, purple-fleshed Japanese plum originated by Luther Burbank and by him named the Sultan. Sultan is of the Satsuma type and is perhaps a cross with some other species. The Sapa fruited first in 1907 on a tree cut back very severely for bud sticks. The tree is plum-like in habit; one-year trees in nursery have many fruit buds; the glossy, dark purple skin, and the rich dark purple red flesh of its Japanese sire. I had a good crop of Sapa plum on my farm this year, and they were fine."

Price of Sapa Plum:	Frt. or Exp. Per 1	Per 10
2-3 ft., 1 yr. from bud	$0.40	$3.80
3-4 ft., 1-2 yrs. from bud	.50	4.50
4-5 ft.	.60	5.50

Shipper's Pride

Fellenberg, or Italian Prune

PLUMS—(Continued)

JAPANESE VARIETIES

(Prices, see page 9.)

This type of plum is a strong grower, bears very young, from 2 to 3 years after transplanting. Is very productive, and the tree as a rule is very ornamental. They are not so hardy, though, as the native or European varieties. Here in Nebraska they seem to be about as hardy, or a little more so, than the peach. All the varieties we offer are Luther Burbank's productions. These varieties must not be planted in Northern states.

ABUNDANCE. Medium size, amber with red, juicy and sweet. A good market variety. Ripens in August.

BURBANK. When properly thinned, the fruit of this plum is very large—5 to 6 inches in circumference—nearly round, bright cherry red, making it very tempting in appearance. Its deep yellow flesh is sweet, meaty and quite firm, keeping and shipping finely. Tree vigorous and spreading, needs close pruning. Ripens late in August.

RED JUNE. The great early market variety. Medium to large, deep red, with beautiful bloom. Flesh lemon yellow, firm and of delightful quality. Ripens early August. A prize winner.

SATSUMA. A delicious plum for canning and a grand market sort. Fruit very large with deep red skin and flesh. Keeps two weeks after picking. A good bearer. September.

WICKSON. Very large and superb in every way. Bright cherry red and small pit. Flesh firm, sweet, tender and a good shipper and good bearer. September.

EUROPEAN VARIETIES

(Prices, see page 9.)

BRADSHAW. Very large, dark violet red. Flesh yellow, juicy, good quality. August.

LOMBARD. Medium size, oval, violet red, flesh yellow, juicy and pleasant. A great bearer, and peculiarly adapted to light soils. Tree vigorous and hardy, succeeds where most other varieties fail. The most popular and profitable plum under general cultivation. Ripens last of August.

REINE CLAUDE. Large, pale yellow, marked with red, juicy, excellent quality. Not liable to rot. Good bearer and valuable for market. Ripens middle of September.

SHROPSHIRE DAMSON. Medium size, dark purple flesh, amber colored and rich. Very productive and fine for canning. Hardy. Middle of September.

GERMAN PRUNE. A valuable plum of fair quality for dessert, but most esteemed for drying and preserving. Large, long-oval, purple with a thick blue bloom, flesh firm, sweet and pleasant, separating from the stone. Moderate to vigorous in growth. September.

ITALIAN PRUNE. (Fellenberg.) A fine late plum. Fruit large, handsome, of oval shape and purple color. Flesh thick, greenish-yellow, juicy and delicious, parts freely from stone. Excellent for drying and preserving. Very productive. Extensively used in Oregon and Washington for drying purposes. Ripens September.

SHIPPER'S PRIDE. Very large. Handsome, dark purple color, good quality, an unusually good shipper.

YELLOW EGG. Very large, egg shape. Color creamy yellow. Flesh yellow and of fine quality. A good variety for the Middle West. End of August.

August 25th, 1914.

We have this year a German Prune tree, bought of you, full of fine prunes, and everybody who sees the tree is admiring it, and wishes to know where we bought it. Nobody had an idea that such fine prunes could be raised here.

JOS. GERTCHER,
Rosedale, Ind.

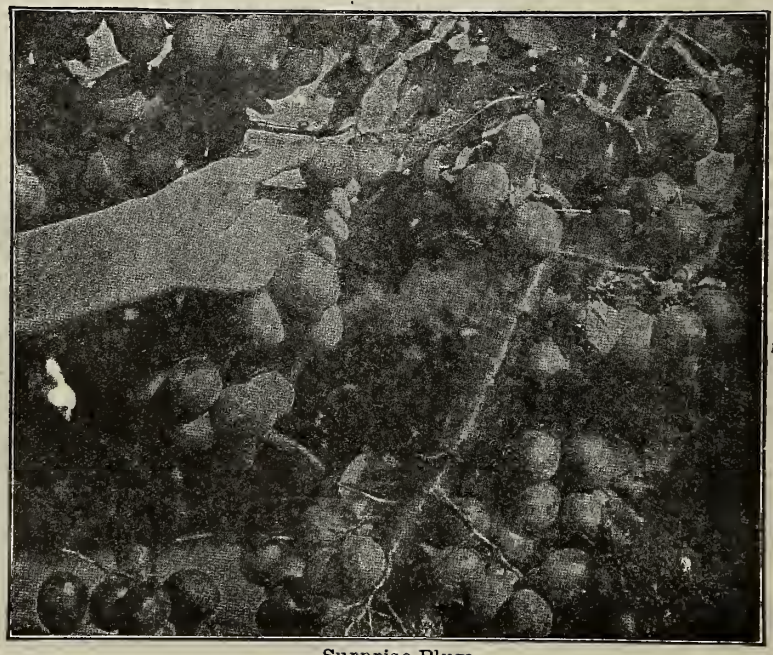
NECTARINES

The Nectarine is almost identical with the peach. Most botanists consider them the same species, the difference between the two being in the skin, the Nectarine having a smooth and the peach a downy surface. The fruit, however, is rather smaller and scarcely so rich in flavor as the best peaches, but they have a very sprightly and delicious quality, and their exquisite wax-like appearance makes them highly popular as a dessert fruit. The Nectarine requires the same culture and management as the peach.

NEW WHITE. Large, skin greenish white, flesh white, tender, juicy, stone small and free, one of the best varieties for drying. Ripens in July and August.

BOSTON. Fruit large and handsome, deep yellow, with a bright blush and mottling of red, flesh yellow to the stone, very sweet, with a pleasant and peculiar flavor, free stone, hardy and productive. Ripens in September.

Price of Nectarines: 3 to 5 feet, 35c each; 10 for $3.00; 100 for $26.00.



Surprise Plum

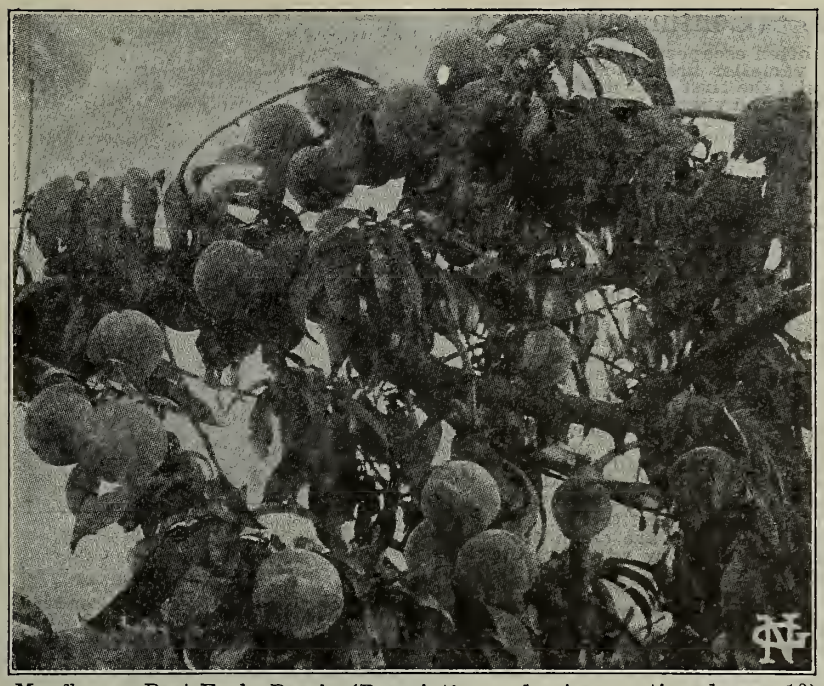
Vian, Okla., Oct. 16, 1913.

Nearly two years ago I sent for your catalogue, having seen your ad in some paper. I had faith in your trees and in the spring of 1912 sent you a $10 order. I want to say I was so well pleased, never lost a tree: since then, when agents come around, I do not care to even look at their things, and I want you to send your catalogue to some of my friends.

MRS. W. T. MOSS, Box 184.

PARCEL POST

See pages 64, 65, 66 and 67 for parcel post prices on all trees and plants.



Mayflower, Best Early Peach (Description and prices continued page 12)

BUDDED PEACHES

We give below a list of the hardiest and choicest varieties, covering the season from July to the middle of October. Budded peaches always bring a good price, as they are much larger and finer in appearance and quality. They will bear just as often, yield as many bushels to the tree, live as long and stand as much cold as seedling peaches, while the fruit is much more valuable. Do not waste your labor and land by planting seedling trees. It doesn't pay and you will surely be disappointed.

Plant about 16x16 or 18x18 feet, in moderately rich soil. Before planting, cut all limbs back to one inch, the main leader about half. Your peach trees will start to grow quicker and surer and will form a nice top. Keep the ground well cultivated. Peach trees are apt to make too much of a growth and get top heavy. To avoid this, prune them every year. Cut all dry wood out and shorten long leading branches.

We give the time of ripening here in Nebraska. South of here they would ripen earlier.

Price of all varieties except Mayflower, Muir and Phillip's Cling:

	By Freight or Express			
	Per 1	Per 10	Per 100	Per 1000
2-3 feet, budded whips	$0.08	$0.80	$ 8.00	$ 70.00
3-4 feet, budded whips	.13	1.10	10.50	95.00
4-5 feet, budded, branched	.18	1.70	16.00	150.00
5-6 feet, budded, branched	.22	2.10	20.00	185.00

ALEXANDER EARLY. Clingstone. Medium size, almost red. Flesh white, tender and juicy. Middle of July.

BLOOD CLING. Cling. A variety of the red Indian peach; large, dark purplish red. Flesh also red, juicy and fine quality. September.

BOKARA NO. 3. Freestone. Was first raised from seed from Bokara, Asia, by the Iowa Agricultural College. It is the hardiest peach I know. Has been in bearing for a number of years in Iowa, and it is claimed the fruit buds will survive 22 degrees below zero. Fruit is large, red with yellow cheek, skin tough, flesh of good quality. Prof. Budd says: "They are 30 per cent hardier than any of the old varieties." Ripens 1st to 10th of September. I can recommend this peach to all my customers in Nebraska, Iowa, Kansas and northern Illinois. You will not be disappointed.

CARMAN. Freestone. Very large, resembling Elberta in shape, creamy white with deep blush. Fine flavor, hardy and productive. August to September.

CHAMPION. Fruit large, beautiful in appearance, flavor delicious, sweet, rich and juicy; skin creamy white with red cheeks; freestone. The peculiarity of this acquisition is its hardiness. It stood a temperature of 18 degrees below zero in the winter of 1887-8, and produced an abundant crop the following season, and again in 1890 produced a full crop when the peach crop was a universal failure. One of the best bearers in Nebraska. August.

CRAWFORD'S EARLY. Freestone. Highly esteemed for market. Fruit very large, oblong, yellow with showy red cheek. Flesh yellow, juicy and sweet. A good bearer. August.

CRAWFORD'S LATE. Freestone. Same as Early Crawford, but ripens in September.

EARLY RIVERS. Freestone. Very large, light straw color. Flesh juicy, melting. Good early peach. First of August.

ELBERTA. Freestone. The most popular peach in the market. Large, yellow and red, handsome. Flesh yellow, juicy and sweet. Ripens after Early Crawford.

FITZGERALD. Freestone. One of the best for the northern peach belt. Fruit large, brilliant color, yellow flesh. August.

GREENSBORO. Freestone. A fine early peach, superior to Alexander. Very large, flesh white and juicy. End of July.

HEATH CLING. Clingstone. Large, round, white with black spots, juicy and fine quality. Best peach for pickles. October.

LEMON CLING. Clingstone. Pale yellow, lemon shaped, large. Flesh yellow and firm. October.

SALWAY. Freestone. A well known market variety. Large yellow and red, juicy, fine. End of September.

TRIUMPH. Half clingstone. Earliest yellow-flesh peach. Yellow with red and of good quality. Tree hardy. Bears well in Nebraska. End of July.

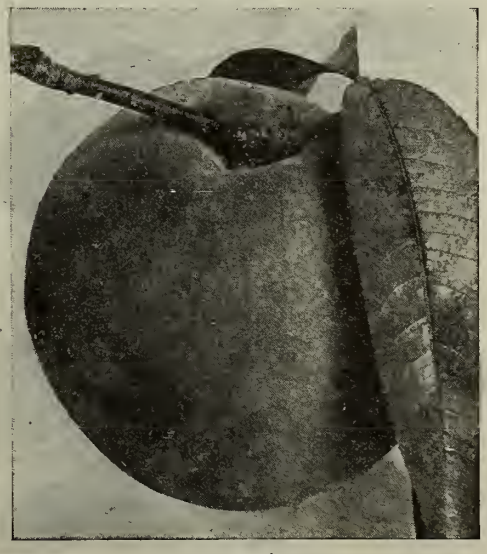
WONDERFUL. Large, golden yellow, overspread with carmine. Flesh yellow, highly flavored and rich. Very firm. Tree hardy. First of October.

YELLOW ST. JOHN. Freestone. Large, orange yellow, with red cheek; juicy, sweet and excellent. One of the earliest yellow flesh freestone peaches. Middle of August.

STUMP THE WORLD. Red and white, handsome, good size and fair quality. Very productive. End of September. Freestone.

THE MAYFLOWER PEACH. Clingstone. The Mayflower is the earliest peach in the market. A week earlier than Alexander or Sneed. It is of good size and fine color, being absolutely red all over, even before it is ripe enough to ship, thus making a very handsome, attractive peach. The earliness and rich color of the Mayflower makes it so valuable for the market. In quality is is fully as good as Sneed or Alexander. The tree is a strong and thrifty grower, has large blossoms that come out after all other

(Continued on page 12)



Champion

BUDDED PEACHES—(Continued)

peaches have bloomed. Thus the tree often escapes a late frost and bears well, while the fruits of other varieties are killed. It is a young bearer, often bringing a few fruits the first year after transplanting. It is apt to set too many fruits and should be thinned out to secure the best results. The fruit keeps well for an early peach, is a good shipper, and always brings the highest price on the market. We advise all our customers in peach growing sections to try the Mayflower, being sure that it will pay better than any other peach on the market. At Rulo, Neb., they ripened June 18th this year.

Price of the Mayflower:	Per 1	By Freight or Express Per 10	Per 100	Per 1000
2-3 feet, budded	$0.14	$1.20	$11.00	$100.00
3-4 feet, budded, partly branched	.18	1.60	15.00	140.00
4-5 feet, budded, branched	.23	2.10	19.00	170.00
5-6 feet, budded, branched	.27	2.50	24.00	210.00

MUIR. Large to very large, perfect freestone, flesh yellow, very dense, rich and sweet, pit small, fruit a good shipper and canner and peculiarly adapted to drying because of its exceptional sweetness and density of flesh. Has been more extensively planted than any other variety of freestone peach and the demand for it continues to be as active as ever. Last of July.

PHILLIP'S CLING. Fine, large, yellow, flesh firm, clear yellow to the pit which is very small. Preferred by canners to any other variety of Cling, its firmness, fine texture of flesh and lateness—not ripening until other Clings are practically harvested—makes a demand for this variety far beyond the supply. Early September.

Muir and Phillip's Cling are largely planted in California. We can assure our customers there, that our peaches are clean from borers or San Jose scale, and we guarantee that they will pass the California, Arizona or any other inspectors.

Triumph

Price of Muir and Phillip's Cling:	Per 1	By Freight or Express Per 10	Per 100	Per 1000
1 to 1½ feet, June budded, well rooted	$0.05	$0.45	$ 4.00	$ 35.00
1½ to 2 feet, June budded, well rooted	.08	.70	6.00	50.00
2-3 feet, June budded, well rooted	.10	.90	8.00	78.00
3-4 feet, June budded, well rooted	.14	1.30	12.00	100.00

PEACH SEEDLINGS These are raised from seeds, obtained at the canning factories, generally very much mixed as to varieties. 2 ft. high, 1 year, each 5c; 10 for 40c; 100 for $3.00.

RUSSIAN MULBERRY

Introduced here by the Russian Mennonites. Tree very hardy, stood 40 degrees below zero and bore a crop of berries the next season. An annual and abundant bearer. The fruit is from white to pink and some black in color, and from very sweet to quite tart in taste. Canned with gooseberries or rhubarb they make a good sauce, relished by most everybody. Poultry raisers should plant largely of this tree near the poultry house or yard, as they will make a nice shade tree for the chickens, and the berries are much relished by the fowls, and are very healthful. Try it and you will be pleased,and your fowls more so. The wood is very valuable for fence posts, lasting for 20 years in the ground. They also make a very pretty hedge if planted about 10 inches to one foot apart, and kept well pruned the first few years.

Price of Russian Mulberry:	Per 1	By Freight or Express Per 10	Per 100	Per 1000	Per 10000
4- 8-inch, 1 year seedlings	.....	.....	$ .20	$ 1.30	$12.00
8-12-inch, 1 year seedlings	.....	.....	.25	1.80	17.00
12-18-inch, 1 year seedlings	.....	.....	.35	3.00	28.00
18-24-inch, 1 or 2 year seedlings	.....	.....	.55	5.00	48.00
2-3 feet, 2 year seedlings	.....	.20	1.50	12.00	.....
3-4 feet, nice transplanted trees	$0.08	.60	5.50	.....	.....
4-5 feet, nice transplanted trees	.14	1.10	10.00	.....	.....
5-6 feet, nice transplanted trees	.18	1.60	14.00	.....	.....
6-8 feet, nice transplanted trees	.30	2.80	26.00	.....	.....

AMERICAN MULBERRY

The native varieties are not quite as hardy as the Russian kinds, but the fruit is larger, very juicy and of better quality. Should not be planted as far north as Nebraska.

Russian Mulberry

DOWNING'S EVERBEARING. One of the most prolific varieties. Fruit very large, black, rich and sweet in flavor. Its long bearing season has made it a universal favorite. Ripens fruit during six to eight weeks.

HICKS. Fruit very large, sweet, good flavor. Well adapted for Oklahoma and Texas. Excellent variety.

NEW AMERICAN. Tree very vigorous and productive; surpassed by none. Continues in bearing a long time. Fruit 1¼ inches long and nearly half an inch in diameter. Color, maroon or an intense blue-black at maturity; flesh juicy, rich and sugary. Ripens from the middle of June up to the middle of September.

Price: By freight or express, 3-4 ft., 25c each, 10 for $2.25, 100 for $20.00.

PERSIMMON—(Diospyrus Virginica)

A native of the Southern states, but will thrive and ripen its fruit as far north as the Great Lakes. The tree reaches a height of 20 to 30 feet. The fruit is not large, ½ to 1 inch in diameter, and must be fully ripe to become edible. A valuable ornamental tree. Will thrive on the poorest soil.

A great change is wrought in the fruit of this tree by the early frosts. Under their influence it becomes sweet, high flavored, rich and racy. Long after the leaves have fallen the branches are so heavily laden with plum-like fruits that the tree seems all aglow with the saffron pink tint of the fruit that is very ornamental.

Persimmons:	Per 1	By Freight or Express Per 10	Per 100	Per 1000	Per 10000
12-18 in. seedlings	$0.07	$0.60	$ 5.00	.....	.....
4-5 ft., nice trees	.35	3.20	30.00	.....	.....

FIGS These can be planted in the open in the Southern states. Should do well in most places in New Mexico, Texas and southern Oklahoma. In the Northern states it is best to plant them in tubs. In my own garden I have succeeded in wintering tnem by laying the trees down, and covering them with dirt and strawy manure.

CELESTIAL, OR CELESTE. Medium size; pale violet, delicate bloom; sweet, excellent quality. Best for general planting. Celestial is successful much farther north than most other varieties; it is the hardiest of all figs. **Price:** 3-4 feet trees, 35c each, 10 for $3.00.

Sober Paragon Chestnut.

NUT TREES

The past few years have witnessed a remarkable development in the planting of nut-bearing trees. Probably no branch of tree cultivation pays larger profits or is as well assured of a profitable market. The returns from established nut-bearing orchards, as well as numerous experiments, show plainly how successful nut culture may be made in America. Most farms contain land that would pay better planted in nut-bearing trees than in anything else; the nuts, in many cases, paying better than farm crops or fruits, while the trees are growing into valuable timber.

SOBER'S PARAGON CHESTNUTS

Make Your Farm Pay Better

This is the most successful variety of Sweet Chestnuts cultivated in the United States. Emphatically, the culture of Sober Paragon Chestnuts pays, the market demand seems practically unlimited, and has been, so far, many times greater than the supply. One of the early crops—2,000 bushels—was taken by one commission merchant at a high price.

Six dollars per bushel is a fair average price for nuts, and the experience of other growers thoroughly accords with this. As the trees require so very little care or special attention, the cost of gathering and marketing is practically the entire expense.

The Sober Paragon Chestnut will thrive practically everywhere—East, West, North and South. It will withstand extremes of heat, cold and drought with less injury than most other trees.

The tree bears the second year after transplanting, a two-year-old tree often bears a few nuts in nursery row. It grows very fast, making branches of three to four feet in one season.

The nuts are very large, often measuring 1½ inches or more across, while average nuts rarely measure less than 1¼ inches. The burrs contain three or more broad, thick, handsome nuts. All of us are more or less familiar with the very large chestnuts that are often sold, but we are too familiar with their astringent, puckery flavor. **Sober Paragon Chestnuts are fully as mild and sweet as the native chestnuts.**

Prof. Brackett, United States Pomologist, Washington, D. C., speaks of Sober Paragon as follows: "The Sober Paragon comes the nearest in quality to the native chestnut of any of the cultivated varieties that I have examined. It is of large size, fine appearance and excellent flavor." I recommend this tree to all of my customers as far north as Iowa and northern Nebraska, and would advise a trial at least in Minnesota and the Dakotas. The trees transplant very easily, about the same as a peach or apple. Do not set out trees any deeper than they have stood in nursery row. The picture of a Paragon Chestnut tree was taken in my garden Sept. 4, 1914. The tree was planted in the spring of 1913.

Price of Sober Paragon Chestnut: 4-5 ft., $1.25 each; 10 for $11.00.

Butternut

AMERICAN SWEET CHESTNUT. The nuts of this tree form quite an item in our commerce. They are sweet and delicately flavored. This Chestnut is also a grand timber and ornamental shade tree, spreading in mid-summer, billowy masses of creamy, fragrant catkins above its large, deep green leaves, making a most beautiful specimen on the lawn. Does well in Nebraska. Chestnuts do well on medium thin and sandy land, requiring no pruning and little or no cultivation. The timber is very durable and possesses a fine grain for oil finish.

Price: 3-4 feet trees, each 30c, 10 for $2.75; 12-8 inch seedlings, 5c each; 10 for 45c; 100 for $4.00.

JAPAN WALNUT. (Sieboldi.) If it produced no nuts it would be well worth cultivating for an ornamental tree. Grows with great vigor, surpassing all other nut trees, assuming a handsome form; needs no pruning; leaves of large size and a charming shade of green. Nuts are borne in clusters of 12 or 15 each at tips of previous season's branches; they have a smooth shell, thicker than the English, but not so thick as the Black Walnut. Meat is sweet, of good quality, flavor like Butternut, but less oily. Tree commences bearing young; trees three to four years from nut in nursery rows frequently producing nuts. Perfectly hardy and worthy of extensive planting. One of the finest ornamental trees.

Japanese Walnut

	Per 1	Freight or Express Per 10	Per 100
12 to 18 inch seedlings, 1 year	$0.15	$1.20	$11.00
18 to 24 inch seedlings, 1 year	.25	2.30	20.00
2-3 feet seedlings, 2 years	.30	2.80	.....
3-4 feet, nice trees, once transplanted	.40	3.70	.....

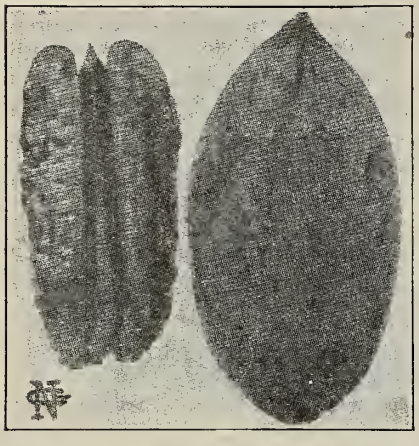
ENGLISH OR PERSIAN WALNUT. A fine, lofty growing tree, with handsome spreading head; produces large crops of thin shelled, delicious nuts that are always in demand at good prices. The fruit in green state is highly esteemed for pickling. Unlike the native walnuts, the nut drops from its shucks when ripe as readily as those of hickory. The orchards of California and the South are yielding handsome profits, and still the nuts are imported in great quantities. Not hardy enough for general culture North. **Price:** 12-18 inch seedlings, each 10c, 10 for 90c, 100 for $8.00, 1000 for $70; 2-4 feet, nice, well-rooted trees, each 20c, 10 for $1.80, 100 for $16.00.

FRANQUETTE OR PARIS WALNUT. Largely planted in California and Washington. It is quite large, of an elongated oval, and very attractive; kernel full fleshed and sweet. It buds out late in the spring. Best thin-shelled nut raised from seed. Hardier than the English Walnut, withstanding the cold winters of eastern France, where it originated.

Price: 12-18 inch, each 20c, 10 for $1.70, 100 for $15.00, 1000 for $140.

BUTTERNUT OR WHITE WALNUT. The nuts are large, long, oily and nutritious. The lofty, spreading tree is one of our finest natives, valued for its tropical appearance and beautiful wood, as well as for its nuts. Does well in Nebraska and as far north as Dakota.

Price: 12-18 inch seedlings, each 5c, 10 for 40c, 100 for $3.00; 18-24 inch seedlings, each 7c, 10 for 60c, 100 for $5.00; 2 to 3 feet, 10c each, 10 for 80c, 100 for $7.00.



Stuart Pecan

English Walnut

NUT TREES—(Continued)

BLACK WALNUT. A native of Nebraska. Of large size and majestic form, with beautiful foliage. Grows best on low ground, bears very freely. The most valuable of all trees for timber, which enters largely into the manufacture of furniture and cabinet work, and brings the very highest price in the market. Tree is a fairly rapid grower. The large, oily nuts are of fine flavor and always marketable at a fair price.

Price of Black Walnut:	Per 1	Per 10	Per 100	Per 1000
12-18 inch, 1 year seedlings		$0.15	$1.00	$ 9.00
18-24 inch, 2 year seedlings	$0.03	.25	2.00	17.00
2-3 feet, 2 year seedlings	.05	.35	3.00	26.00
3-4 feet, 3 year seedlings	.07	.60	5.00	.....

SHELLBARK HICKORY. In flavor and quality of kernel this is generally esteemed the choicest of our native nuts—of all nuts, some experts have said. The tree is a handsome, stately shade tree, with tough white wood of great strength and elasticity; marketable at high prices.

Price: 6-10 inch seedlings, 5c each, 10 for 45c; 100 for $4.00.

PECAN. The tree grows fast and bears well, producing large crops of thin-shelled nuts that are full kerneled and delicately flavored. In Southern states pecans yield handsome profits. Not hardy here.

Price: 18-24 inch seedlings, raised from best nuts, 15c each; 10 for $1.35; 100 for $12.00.

STUART PECAN, Grafted. This is a large, thin-shelled nut, of fine flavor, and the hardiest variety grown. Can be planted farther north than the common Pecans. As these are all grafted, they will all come true to name, while with seedlings this is not always the case.

Price: 1½ to 2 feet trees, $1.00 each; 10 for $8.50; 100 for $75.00.

FILBERT OR HAZELNUT. (Early Frauensdorf.) One of the best German varieties. Nuts are large, sweet and of the best quality. Bears when very young. A much better variety than the common American hazelnut, and fully as hardy. This forms a shrub 6 to 10 feet high, succeeding on almost all soils, preferably a damp location. One of the most profitable nuts to grow, bearing early and abundantly.

Price: 18-24 inch trees, 25c each; 10 for $2.30; 100 for $20.00.

COMMON HAZELNUT. This is the American variety that is hardy everywhere, but nuts are smaller, although of good quality.

Price: 18-24 inch, 10c each; 10 for 90c.

JUNE BERRY

IMPROVED DWARF. Good substitute for the large swamp Huckleberry or Whortleberry, which it resembles in appearance and quality. Fruit borne in clusters, reddish purple in color, changing to bluish black. Flavor a mild, rich sub-acid; excellent as a dessert fruit or canned. Is extremely hardy and endures the heat of summer without injury. In habit it is similar to the currant, the bushes attaining the same size. Desirable for ornamental purpurposes. Transplanted plants only, as division plants are rather difficult to get started.

Price: Strong plants, 20c each; 10 for $1.50; 100 for $14.00.

June Berry

DWARF BLUE BERRY

(Vaccinium Pennsylvanicum.)

A dwarf shrub, growing 8 to 15 inches high, with very shiny leaves and very productive. The berries are of good size, black, with a blue bloom, very sweet. This is the variety that is largely used for canning. Plant grows fine under cultivation, likes a sunny place and is perfectly hardy.

Price: 15c each, 10 for $1.30; 100 for $11.00. We offer strong, well-rooted plants.

Hazelnut

ELDER BERRY

Berries are highly esteemed for cooking and making of cordials. In many parts of Europe they are grown for making wine; said to be of great value for medicinal purposes in case of stomach disorder. Bush ornamental, deserving of a place in every yard.

Price: Two feet high, each 15c; 10 for $1.5 .

BUFFALO BERRY

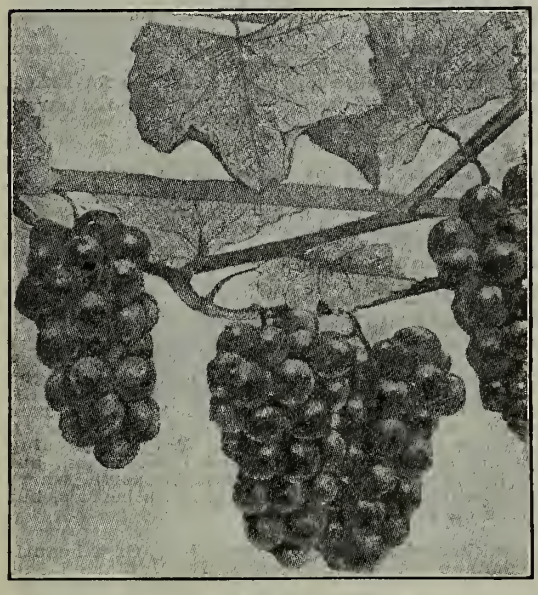
The fruit of the Buffalo Berry resembles small currants; is round, smooth, and glossy, beautiful red color. Berries ripen in July and literally cover twigs and branches; will hang on bush until nearly spring. Make excellent preserves, jellies and butter, also much used for pies and tarts and for making wine. Tree is hardy anywhere, constant and prolific bearer, worth cultivating for ornamental purposes alone. Plant the Buffalo Berry for a winter berry, as they are a most delicious fruit from December to January. There are male and female plants. They should be planted about one male to three females. One plant alone will not bear fruit. Remember this when ordering.

Price: Two feet, 20c each; 10 for $1.80; 100 for $17.00. 3-4 feet, nice bushes, 35c each; 10 for $3.20.

Buffalo Berry.

GRAPE VINES

One of the best and healthiest fruits we have. Grows in most any kind of soil that is not wet. Any hillside will do for a vineyard. Those who have only a lot or two or a small garden, can plant them alongside a building or fence. They will take up very little room, and if properly taken care of, will bear an abundance of fruit almost every year. They make a splendid screen for unsightly buildings, or can be trained over walls and fences, repaying many times over with healthful and refreshing fruit their small cost and care. If the vines are put down on the ground in the fall and covered with a few shovelsful of dirt they will stand a severe climate, and some varieties can be raised as far north as South Dakota. Any good, dry soil of sufficient fertility to produce good farm crops is suitable for vineyard planting, if climate and exposure are favorable. Care should be taken to prune thoroughly each year, no more bearing canes should be left than the roots can sustain in a vigorous growth of new shoots. In a commercial way no fruit crop shows greater returns on the investment. On all markets grapes are very popular and command good prices. They should be planted more generally everywhere. In the open ground plant in rows 8 feet apart and 6 feet in the rows. We give below the best and hardiest varieties for the West.



Catawba

DAKOTA GRAPE. Originated in Minnesota by Louis Suelter, who attained for the Northwest in grape-growing what P. M. Gideon accomplished by producing the Wealthy Apple. Berries of the Dakota are nearly as large as the Concord, are sweet and of fine flavor, making a good table grape. Also good for wine or unfermented grape juice. The Dakota ripens very early, in Minnesota generally from the 8th to 20th of August, according to the season. They are, therefore sure to ripen their fruit before frost, even in the Northern states. My object of introducing this grape to my customers, principally, is its hardiness. It will stand Minnesota and South Dakota winters without covering after the first year from transplanting. If my customers will cover this grape the first winter with a few shovelsful of dirt, I will replace free of charge any of the vines that freeze out after that without any covering at all. This makes it a first-class grape for arbors, as it will not have to be laid down over winter. It is also a very strong grower, covering an arbor in a few years. You will be well pleased with the quality of this grape.

Price: 70c each; 10 for $6.00; per 100, $55.00.

CACO (CATAWBA-CONCORD) GRAPE

A Grand Novelty. See front cover page.

The most delicious of all grapes, whether hardy or exotic. A perfectly hardy grape, that has been pronounced by America's most expert grower of Hothouse Grapes, **to equal in high quality and melting texture,** the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. In appearance, the most beautiful of hardy grapes; berry large, wine-red, with abundant bloom. Bunch of good size, compact and of good form. Ripens ten days to two weeks in advance of Concord; so rich in sugar it is excellent in flavor two weeks in advance of being fully ripe. Vine a very strong, vigorous grower, healthy and prolific. Fruit for past two years sold in open market by the crate at more than double the price of any other variety. Highly commended by prominent fruit growers throughout the country, by clergymen, attorneys and laymen. Was awarded a medal by the American Institute of New York; the highest honor ever conferred a variety of fruit by this time-honored institution. I cannot recommend the Caco too highly.

Price: Two-year No. 1 vines, strong and well rooted, 60c each; 10 for $5.50; 100 for $50.00.

CONCORD. Black. The well-known, fine old variety, planted everywhere. Large handsome bunches of large black berries, covered with a rich bloom. Skin tender but firm, therefore a good shipper, juicy and sweet. Hardy and productive.

Two-Year-Old No. 1 Plants: Extra nice, very large and well rooted. As fine plants as are grown anywhere. Each, 7c; 10 for 65c; 100 for $5.00; 1000 for $40.00.

One-Year-Old No. 1 Plants: Strong and well rooted. Each, 6c; 10 for 50c; 100 for $3.50; 1000 for $30.00.

One-Year-Old No. 2 Plants: Good plants, with plenty of roots. Each, 5c; 10 for 40c; 100 for $2.00; 1000 for $18.00.

AGAWAM. Red. Bears well in Nebraska. Berries large, of rich red color; skin thick, meaty, juicy and of rich peculiar aromatic flavor. A good bearer.

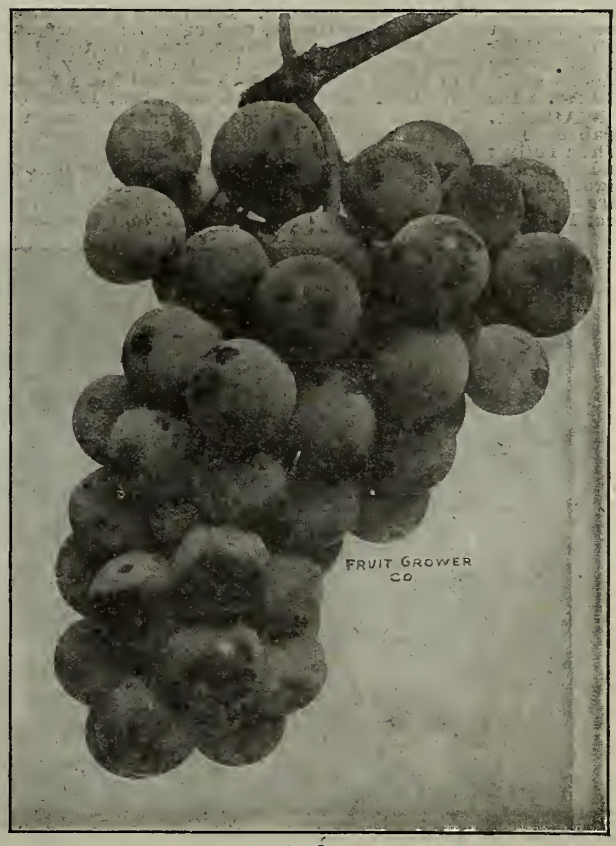
Two-Year-Old No. 1 Plants. Each, 10c; 10 for 80c; 100 for $7.00.

BRIGHTON. Red. Bunches and berries large, fine, rich flavor, juicy and sweet. Almost seedless. Hardy. Does very well in Nebraska.

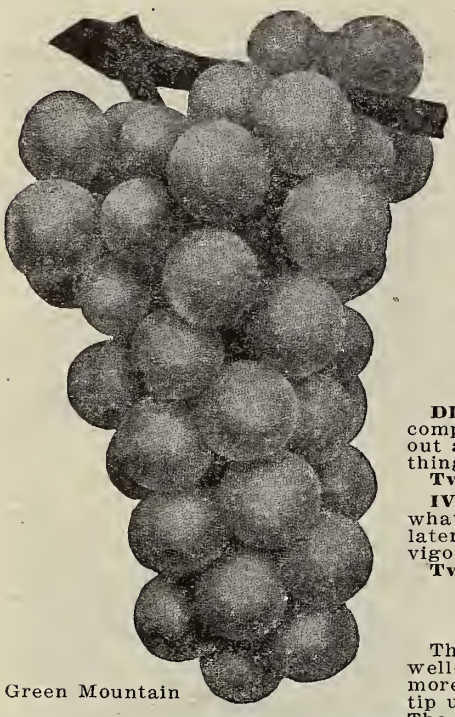
Two-Year-Old No .1 Plants: 10c each; 10 for 90c; 100 for $7.50.

CAMPBELL'S EARLY. Black. A new variety that cannot be too highly recommended. Of strong, vigorous growth, very hardy, foliage perfectly healthy, very early and abundant bearer. The berries are large, nearly round, dark blue, skin thick and tough, making it a good shipper; flesh sweet, with slight aroma. The bunches are always large and beautiful. Will keep on or off the vines for several weeks, after fully ripened. An excellent dessert grape, and one of the best early market varieties. I do not know of a better grape for Nebraska.

Two-Year-Old No. 1 Plants: Each, 22c; 10 for $2.00; 100 for $17.00; 1000 for $150.00.



Worden



Green Mountain

GRAPE VINES—(Continued)

CATAWBA. Red. Well-known wine grape. Bunches and berries large, of coppery red color, turning to purple when fully ripe. Best quality, a good bearer, and very profitable.
Two-Year-Old No. 1 Plants: Each, 10c; 10 for 80c; 100 for $7.00; 1000 for $60.00.

CLINTON. Black. Bunches and berries small and compact. Berries juicy and quite acid. A good gape for dark red wine. Vine vigorous grower, productive and hardy. Very desirable as an arbor grape.
Two-Year-Old No. 1 Plants: Each, 10c; 10 for 80c; 100 for $6.50.

ELVIRA. White. Bunches medium size, very compact. Berries small and sweet when fully ripe. A splendid wine grape. Hardy, vigorous grower and productive. September.
Two-Year-Old No. 1 Plants: Each, 10c; 10 for 75c; 100 for $6.00.

GREEN MOUNTAIN. White. Originated in Vermont, at an altitude of 1400 feet, where it ripens its fruit perfectly. Vine strong, vigorous and healthy, very hardy and a good bearer. Bunches long, compact, and well shouldered. Skin thin, very tender, sweet, with few seeds and excellent quality. Three weeks earlier than Concord. Is highly recommended as a sweet, fine table grape.
Two-Year-Old No. 1 Plants: Each, 28c; 10 for $2.50; 100 for $22.00.

DELAWARE. Red. One of the finest table grapes. Bunches not large, compact and well shouldered. Berries rather small, juicy and sweet, without any hard pulp; spicy flavor. Probably the best American grape, all things considered. Ripens early.
Two-Year-Old No. 1 Plants: 13c each; 10 for $1.10; 100 for $8.50.

IVES. Black. Bunches and berries medium size. Sweet, pulpy, somewhat foxy. Colors early, but does not fully mature until several weeks later. Highly esteemed for red wine and a good market variety. Hardy, vigorous and healthy. Ripens medium late.
Two-Year-Old No. 1 Plants: Each, 10c; 10 for 75c; 100 for $6.50.

THE LUCILE GRAPE

THE COMING RED MARKET GRAPE

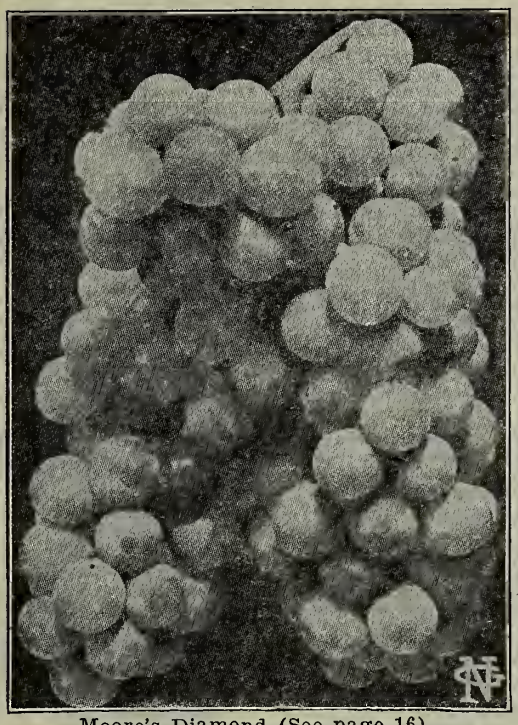
The Lucile yields as much or more than Concord, Niagara or any other well-known market grape. Hardy and healthy as any grape, and much more so than Niagara. A strong, robust grower and ripens its wood to the tip under a load of fruit under which Niagara would not ripen one-half. The Lucile ripens between Moore's Early and Worden, just in time to pack with Diamond and Worden; an excellent trio of our national colors—red, white and blue. The Lucile is sweet, and in quality compares favorably with that of Wyoming Red, which it resembles in color. But its crowning glory is in its size and compactness of its clusters, which resemble those of Diamond and Pocklington, but even larger. While it is an excellent market grape anywhere it is indispensable at the extreme North, where only early and extra hardy varieties succeed. The Lucile is a good shipper and never drops its berries, but where the season is long enough it gradually dries up into raisins on the vines.
Price: Each, 30c; 10 for $2.75; 100 for $25.00.

MOORE'S DIAMOND. White. A seedling of the Concord, partaking of all its good qualities. Of a beautiful greenish white color, without any of the yellow spots so common on white grapes. Berries are large, sweet, and of as good quality as some of the more delicate varieties. It is as hardy as the Concord, a profuse bearer, and in all one of the best of the newer sorts. Ripens early, a few days before Concord. Very hardy.
Two-Year-Old No. 1 Plants: Each, 10c; 10 for 85c; 100 for $7.00.

MOORE'S EARLY. Black with heavy blue bloom. Bunches of medium size, rarely shouldered. Berries large, round, of excellent quality. Desirable for market on account of its earliness. Berries larger than Concord, very much like it in flavor, and of same good quality. Vine a moderate grower, very healthy and hardy; foliage thick and leathery. Ripens so early as to be nearly out of the market before Concord is ripe. Well suited to Northern portions of the United States by its hardiness. Succeeds admirably in the South also. Ripens early and bears well. **Two-Year-Old No. 1 Plants:** Each, 12c; 10 for $1.00; 100 for $8.00. **One-Year-Old No. 1 Plants:** With strong roots, each, 10c; 10 for 75c; 100 for $6.00.

NIAGARA. White. Home and market growers seem to agree that this is the most valuable of all white grapes. Its clusters are large and handsome, compactly filled with large berries having thin, but tough skin. When fully ripe they are a pale yellow, with a thin white bloom. The flesh is slightly pulpy, tender, sweet and delightful, with a flavor and aroma peculiarly its own, and agreeable to most tastes. Vine is remarkably vigorous and productive. Foliage thick and leathery. Succeeds well, both North and South, and is very largely planted by vineyardists and for home use. Ripens with Concord. **Two-Year-Old No. 1 Plants:** Each, 10c; 10 for 85c; 100 for $7.00. **One-Year-Old No. 1 Plants:** Each, 8c; 10 for 65c; 100 for $5.50.

Niagara



Moore's Diamond (See page 16)

THOMPSON'S SEEDLESS. (Sultanina Blanche.) Identical with the Seedless Sultanas of Asia Minor. Vine an enormous bearer and very rapid grower; bunches very large; berries greenish yellow, firm, oval, seedless; skin thin; much larger than the Sultana. This variety is attracting a great deal of attention, and it is preferred to the Sultana, having many qualities superior to it. The raisins are of a very superior quality, and are in good demand, a very early shipping grape, ripening in August. As a sherry grape much can be said in its favor. It is largely grown in California for a raisin grape. In the Northern states this grape can be grown in pots or tubs and will bear well. During winter keep in cool cellar. Grow and bear well in New Mexico, the South and Southwest.

Price: Strong vines, well rooted, 20c each; 10 for $1.80; 100 for $15.00.

GRAPE VINES—(Continued)

POCKLINGTON. Golden yellow. Bunch large, very compact. Berries very large, juicy, sweet, with very little pulp. Vine very hardy, even more so than Concord and produces large crops of fine quality. **Two-Year-Old No. 1 Plants,** 10c each; 10 for 85c; 100 for $7.25.

SALEM. Red. Bunches large and compact. Berries large, round, copper red; firm, sweet, tender, with a rich aromatic flavor. A splendid keeper and shipper, and best quality for both table and wine. Should be planted freely. **Two-Year-Old No. 1 Plants:** Each, 10c; 10 for 85c; 100 for $8.00.

WORDEN. Black. Bunch large, sometimes shouldered, compact; berries very large, skin thin. Superior to the Concord in the following points: It is better in quality, has a larger berry, a more compact and handsome cluster, and ripens five to ten days earlier. It fully equals Concord in vigor, health and productiveness. In berry it is about half the size of Moore's Early, but of better quality, more vigorous and productive, and ripens but little later. We recommend it strongly. It is perhaps not so good a shipper as Concord, but nevertheless a very good market sort. **Two-Year-Old No. 1 Plants:** Each, 12c; 10 for $1.00; 100 for $8.00. **One-Year-Old No. 1 Plants:** Each, 9c; 10 for 70c; 100 for $6.00.

WOODRUFF RED. A red grape that originated in Michigan. Bunch medium to large, short, compact; berry large, skin thick, of a beautiful bright red color; very handsome and attractive, making it a profitable market variety. Vine very vigorous, hardy, healthy and unusually productive. Fruit of good quality; somewhat foxy. Ripens with Concord. **Two-Year-Old No. 1 Plants:** Each, 15c; 10 for $1.30; 100 for $12.00.

GRAPES FOR HOUSE CULTURE OR THE SOUTH

This class of grapes can be planted outdoors in California, Arizona, Texas and southern New Mexico. In the Northern states they can be raised in tubs or pots, or conservatories and greenhouses. The Black Hamburg is especially adapted for this purpose.

BLACK HAMBURG. Bunches very large, heavily shouldered; berries large, round; skin thick, coal black when fully ripe; flesh sweet and juicy. One of the best table grapes. An immense bearer.

Price: 20c each; 10 for $1.80; 100 for $16.00.

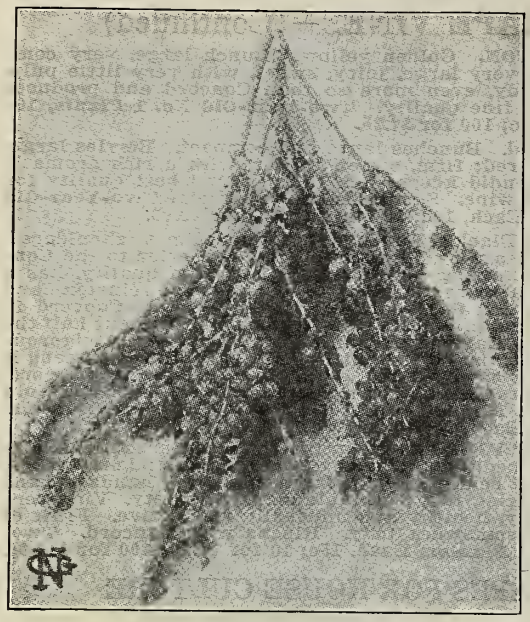
MALAGA. Vine a strong grower and immensely productive, thriving in almost any soil; bunches very large, often weighing ten pounds; compact, shouldered; berry very large, oval, yellowish green; skin thick, fleshy. One of the best shipping grapes, commanding a good price in the Eastern markets every season; makes a second quality raisin.

Price: 22c each; 10 for $2.00; 100 for $17.50.

WHITE TOKAY. Fruit greenish white, large ovate; flesh firm, with a sweet, pleasant flavor when mature; bunches large and broadly shouldered. A fine table grape and a profuse bearer.

Price: 27c each; 10 for $2.50; 100 for $20.00.

Vineyard of Mr. J. R. Angell, Artesia, N. M. Mr. Angell kindly sent us the photograph. The two children in the picture are his grandchildren, Forest Major Boyer, and Anna Mary Boyer. Mr. Angell has made a grand success with the Thompson Seedless Grape. The picture shows the enormous productiveness of the Thompson Seedless.



Oregon Champion

GOOSEBERRIES

Should be planted in good, rich soil, and well manured once a year. They will do well on any variety of soil if well drained and fertile. Prune regularly and thoroughly, cutting out all dead wood and all surplus branches. Do not let the bushes grow too thick; the fruit will be larger and more plentiful. Plant in rows four to six feet apart and four feet apart in the rows. Gooseberries should be planted in every garden, no matter how small; they are hardy, rugged and easily grown, and the fruit is sought for by every housewife for culinary purposes and sells well in all markets.

OREGON CHAMPION. Berries very large, brownish red color, very sweet and fine for table use and pies. Bush a strong grower, healthy and not very thorny and a very prolific bearer. I recommend this variety to my customers, especially for large plantations. It will bring good returns. Best berry for the market. We have a large stock of this gooseberry this year, and can furnish them in large quantities. Sold more of this variety last year than of any other Gocseberry.

Price: Two-year-old No. 1 Plants, 20c each; 10 for $1.80; 100 for $15.00.

HOUGHTON. An enormously productive and always reliable old variety. Of vigorous growth, slender and spreading, not subject to mildew. Fruit of medium size, smooth, pale red, tender and of good quality.

Price: Two-Year-Old Plants, 12c each; 10 for $1.00; 100 for $9.50.

CARRIE. A variety for Minnesota and claimed to possess "more valuable points of excellence than any other gooseberry," because "it is the most productive, the easiest picked, the most attractive, the most saleable, the most profitable, the hardiest, the healthiest, the freest from mildew, the earliest bearer." The berries are of fair, though not of large size. With us they averaged no larger than Houghton and where larger Gooseberries can be raised, I would not advise planting the Carrie. Fine for the North. Of a bright maroon color and of excellent quality. Most valuable gooseberry for jams, jellies and canning. In my opinion this is the best gooseberry in the market, all things considered.

Price: One-Year-Old No. 1 Plants, 25c each; 10 for $2.20; 100 for $18.00.

DOWNING. A well-known American sort, which has given the best results everywhere. Large and handsome, pale green berry; of splendid quality for dessert and cooking. Bush vigorous, a strong and upright grower and exceedingly productive. An excellent sort for family use and suitable for market. This variety is seldom affected by mildew. **Price:** Two-year-old Plants, 15c each; 10 for $1.35; 100 for $12.00.

EARLY NEUWIED. (See front cover page.) A German variety, from Erfurt, Germany. The earliest of all gooseberries; of very large size, larger than any of the English varieties. Fruit solid, sweet and of excellent flavor; yellowish green when fully ripe, and conical in shape. Bush an upright, vigorous grower, somewhat pyramidal and exceedingly prolific. Very free from mildew. One of the most profitable varieties, owing to its earliness, large size and flavor. **Price:** 40c each; 10 for $3.60; 100 for $34.00.

INDUSTRY. The most planted in this country of any English sort, and is less subject to mildew. The bush is strong, upright and immensely productive. Berries are of largest size, dark red and of excellent quality, rich and agreeable. This variety should be pruned less than the other sorts, to secure the best results.

Price: Two-Year-Old Plants, 25c each; 10 for $2.00; 100 for $17.00.

PEARL A very desirable American variety. Very hardy, entirely free from mildew, superior in size and quality, and more productive than Downing. We take pleasure in recommending it for small or extensive planting as one of the best berries of recent introduction. The large berries are pale green and of the finest quality, and valuable for home or market.

Price: Two-Year-Old Plants, 20c each; 10 for $1.50; 100 for $12.00.

RED JACKET. (Josselyn.) This American seedling has been widely planted in recent years, and is highly recommended by all growers. Bush is very hardy; clean, healthy foliage and entirely free from mildew. Fruit large, smooth, pale red, and of first-class flavor and quality. It is considered the best fruited gooseberry in cultivation.

Price: Two-Year-Old Plants, each 20c; 10 for $1.50; 100 for $12.00.

TREE GOOSEBERRY

These I have always imported from Germany. Owing to the war, I am unable to get them this season. Hope to be able to furnish them next fall again.

Industry

Tahoka, Texas, Dec. 22, 1913.

Please send me your latest complete catalog, as I will want to put out some more fruit trees this season. You just ought to see my three-year-old Souderegger orchard. It is beginning to be a beauty. A part of it is four years old. The Compass fruit trees were full of fruit this season and were just simply GRAND. My friend, H. M. Larkin, was out to see me while the Compass fruit was ripe and I showed them to him, and he told me a few days ago that he had sent to you for some Compass fruit trees.

WILL J. MONTGOMERY.

Dragoon, Ariz., Sept. 6, 1914.

I wish to state that I raised 100 per cent of the trees I got from you this year, and expect to make another order in the spring. Yours respectfully,

A. F. PEAKE.

See parcel post prices on all trees and plants, pages 64, 65, 66 and 67.

CURRANTS

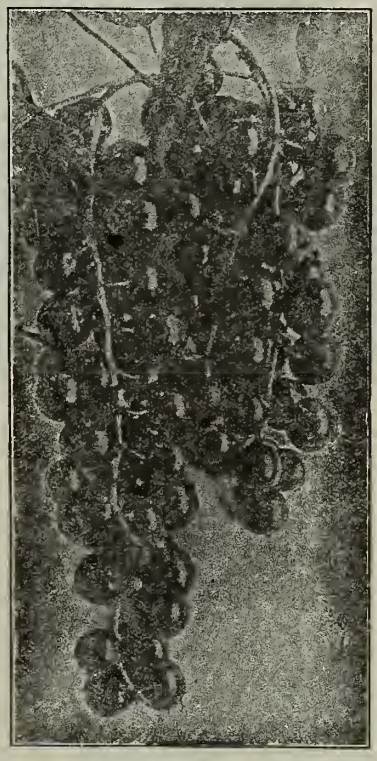
Perfection

Hardy, easily cultivated, standing neglect well, and liberally responding to cultivation and generous treatment; indispensable for table use, jellies, etc.; no garden is complete without them and large quantities are required for market. Set 4 feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears, dust with hellebore. All two-year plants, well rooted and strong.

PERFECTION. (See front cover page.) This grand new fruit was originated by Charles G. Hooker of New York, by crossing the Fay's Prolific with the White Grape Currant, with the view of combining the large size and color of the Fay with the good quality and productiveness of the White Grape. The color is a bright red; size as large or larger than Fay, the clusters averaging longer. The Perfection has a long stem, making it easy to pick without crushing any of the berries. It is a great bearer. The berries are of rich, mild flavor, sub-acid, plenty of pulp, with few seeds. Less acid and of better quality than any other currant in cultivation. In my garden the Perfection is the best bearer, with largest berries; the sweetest Currant I ever tasted, and the easiest to pick. Anybody can pick a basket of Perfection as fast or faster than cherries. If I should plant ten acres of Currants for profit, I would plant Perfection only. My plants are true Perfection; all will have the seal of the introducer attached, so my customers are sure to get the true kind.
Price: Two-Year No. 1 Plants, each 25c; 10 for $2.20; 100 for $20.00.

FAY'S PROLIFIC. Has fully sustained all the claims that were made for it by the originator when first introduced, and is the best red currant known. It has been widely planted and has given general satisfaction; fruit very large, bright red, and of excellent flavor, less acid than Cherry. It has a long stem, which admits rapid picking, and is enormously productive. One of the most valuable fruits of recent introduction. Comes into bearing early. One of the best market sorts, and equally valuable for home use.
Price: Two-Year No. 1 Plants, 10c each; 10 for 80c; 100 for $7.00.

POMONA. (Knight's Improved.) Deserves prominence for its splendid market qualities. The fruit is of good size and flavor, bright red in color. Has long stems and hangs in fine condition long after ripening. This variety first attracted notice for its enormous productiveness and quality. Has the greatest acreage yield on record. In one year fruit from six and one-half acres was sold for $3,400 per acre. **Price:** Two-Year No. 1 Plants, 10c each; 10 for 80c; 100 for $6.50.



Pomona

LONDON MARKET. Red. Very popular variety in Michigan fruit sections. The fruit is of good size, dark red in color, with sprightly acid flavor. Bush is vigorous, upright, very strong grower. It begins ripening at an early age and is enormously productive. Valuable for the home garden and for commercial purposes.
Price, Two-Year No. 1 Plants, 10c each; 10 for 70c; 100 for $6.00.

WILDER. One of the strongest growers and exceedingly productive. Clusters and berries very large; of attractive bright red color, even when dead ripe. Quality excellent, with mild sub-acid flavor. Ripens early and remains bright and firm until quite late. Very profitable market sort. Bush grows upright and vigorous. Few varieties equal the Wilder in productiveness and vigor.
Price, Two-Year No. 1 Plants, 10c each; 10 for 85c; 100 for $7.50.

BLACK CHAMPION. Very productive; large bunch and berry, excellent quality; strong grower. Leading black currant.
Price: Two-Year No. 1 Plants, 10c each; 10 for 85c; 100 for $6.50.

White Grape Currant

CHERRY. Red. Bunches very large, sometimes measuring one-half inch in diameter. A strong grower and must have good cultivation to do well.

Price: Two-Year No. 1 Plants, 10c each; 10 for 75c; 100 for $6.00.

VICTORIA. Red. Bunches long; berries large, of a bright red color and excellent quality. A strong grower, extremely hardy. The best late variety.

Price: Two-Year No. 1 Plants, 10c each; 10 for 75c; 100 for $6.00.

WHITE GRAPE. The best white currant. The bunches are large and full, berries large, sweet, of a beautiful translucent white and of mild, superior quality; very fine for table. Bush grows quite vigorous, somewhat spreading, and produces large crops. A dependable and very popular variety.

Price: Two-Year No. 1 Plants, 10c each; 10 for 80c; 100 for $7.50.

TREE CURRANTS. These I have always imported from Germany. Owing to the war, I am unable to get them this season. Hope to be able to furnish them next fall again.

See parcel post prices on all plants and trees, pages 64, 65, 66 and 67.

BLACKBERRIES

Blackberries require the same treatment as raspberries. They succeed well on any land suitable for corn or wheat, but amply repay high cultivation. Plant in rows six feet apart and three feet in the row. Pinch the canes back when they have reached about four feet in height, and cut out all the dead wood every year. Cultivate well and deep, or mulch heavily with straw.

A very small plot of ground planted to blackberries will produce more than enough luscious, healthful fruit to supply the average family.

LaGRANGE. (See front cover.) This berry is a Russian product, having been brought from that arctic country about fourteen years ago, and has been fruited by Mr. LaGrange in Vermillion County, Illinois, for the past twelve years, and in that time has not received any injury from cold winters. It is the hardiest berry yet produced; it grows on canes like Lawton or Snyder, but stems from the ground up, and each fruit stem has ample foliage, each cluster of berries having a leaf. The fruit ripens in the shade, which materially adds to its flavor. Other varieties mostly produce their fruit at the top of their canes, which are almost bare of foliage, and frequently are sun scalded. When the berries from the first bloom are about two-thirds grown, there comes on a second crop of bloom as profuse as the first; in ripening one cannot tell when the berries from the first blooms end, and where fruits from the second blooms begin, keeping this rotation of blooming up until late in summer, remaining in bearing 50 to 65 days, and classed by some as an everlasting blackberry.

It is enormously productive, one-ninth of an acre yielding 571 quarts. Rev. J. R. Reasoner estimated 5,000 quarts per acre on ordinary land and cultivation. The picture below shows one branch two feet long which contained 503 berries, which created quite a wide amount of interest among the Fruit Growers' Association here at Makanda, Illinois.

The LaGrange is free from any hard core and the berry melts in one's mouth, so delicious. The best, hardiest and largest berry yet produced, 65 berries filling a quart box full; a single berry measuring 4½ inches in circumference. Prof. S. A. Forbes says it is more free from disease than any blackberry he has ever seen. No one will make a mistake in planting LaGrange, either for home use or market.

Price: 15c each; 10 for $1.25; 100 for $10.00; 1000 for $80.00.

LaGrange, Novelty Blackberry

EARLY HARVEST. Very early. Berries medium size and sweet. Splendid for market on account of its earliness. Brings high prices. Should not be planted in Northern states. Does best in Oklahoma and Texas.

Price: Strong plants, 5c each; 10 for 30c; 100 for $2.00; 1000 for $16.00.

ELDORADO. Very vigorous grower and very hardy, enduring severe winters without injury. Fruit large, borne in clusters. Quality unsurpassed and an excellent shipper.

Price: Strong plants, 5c each; 10 for 40c; 100 for $3.00; 1000 for $25.00.

ICEBERG. Originated by Luther Burbank. Fruit white and very transparent. Clusters very large and berries very sweet and tender. Very productive, but need protection north of here. Quite a remarkable berry.

Price: Strong plants 10c each; 10 for 75c; 100 for $5.00; 1000 for $40.00.

MERSEREAU. This early, mammoth ironclad blackberry originated in northwestern New York, where the mercury falls to from 15 to 25 degrees below zero, and has never been injured. Berries are sparkling throughout and remain black under all conditions and circumstances. In quality it is exceptionally sweet, rich, melting and luscious, being without core. As a shipper and keeper it is unsurpassed. The canes are of exceedingly strong, upright habit. Foliage large, abundant and entirely free from rust or blight. Its yield is simply enormous. One of the very best for Nebraska.

Price: Strong plants, each 8c; 10 for 50c; 100 for $3.00; 1000 for $25.00.

RATHBUN. Vigorous, branching, making plenty of fruit wood. Has stood safely 20 degrees below zero and bore a full crop the next summer. Roots sucker very little, and must be propagated by layering tips of the shoots. Berries are very large, intensely black with a high polish. Are very firm, so they will carry well to the market and retain their form and handsome appearance.

Price: Strong plants 10c each; 10 for 50c; 100 for $3.00; 1000 for $27.50.

SNYDER. This is one of the best blackberries for market in the North; very hardy. The canes are vigorous and annually productive. The berries are medium in size, very sweet, juicy and of fine flavor. It also lacks the hard core of many other varieties.

Price: Strong plants, each 5c; 10 for 30c; 100 for $2.00; 1000 for $16.00.

I have restricted the Blackberry list to the varieties best suited to the climatic conditions prevalent in the territory of our customers.

Mersereau Blackberry

THE LOGAN BERRY

The Logan Berry is a hybrid between the raspberry and blackberry. The fruit is as large as the largest blackberry, and is produced in immense clusters. The color is clear, dark red. It partakes of the flavor of both the blackberry and the raspberry—mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Seeds small, soft and few. Berries very firm and carry well. Strong grower; enormous bearer. Ripens early, just after strawberries. Not hardy north of the 40th parallel. Do not plant them in Nebraska.

Price: 25c each; 10 for $2.25; 100 for $20.00.

HIMALAYA BERRY

We have sold this berry for a number of years, and in order to get the facts about this berry we have written to a large number of our customers in different states as to the success they had with this berry. Two-thirds of them are well pleased with the quality and productiveness—some say the fruit is very good, but a shy bearer, and a few answered with "no good."

As a result of my inquiries I recommend the Himalaya Berry anywhere south of here, and would advise my customers north of here to make a trial with a few plants. I sell the Michigan strain of Himalaya Berry only, as the California strain is not hardy.

The vine is a vigorous grower, often making shoots of 20 to 30 feet in one season. Should be tied to stakes or trellises or can be used for arbors, same as grape vines. The large clusters of good sized berries ripen all summer. Berries have no core and the flavor is sweet, of unusual richness and when fully ripe, very melting.

Price: Strong plants, 10c each; 10 for 85c; 100 for $7.50.

DEWBERRIES

A variety of Blackberry that trails on the ground. In size and quality the fruit excels the Blackberry; very profuse bearer and reasonably hardy. Vines should be covered with straw or earth over winter in cold climates. The fruit of the Dewberry is highly prized as a market fruit, owing to its large size and quality.

LUCRETIA. One of the most widely planted of the Dewberries. It is a strong grower, and exceedingly productive. The fruit is large, luscious and handsome. Glossy, shining black, and ripens from the first to the middle of July, according to the locality.

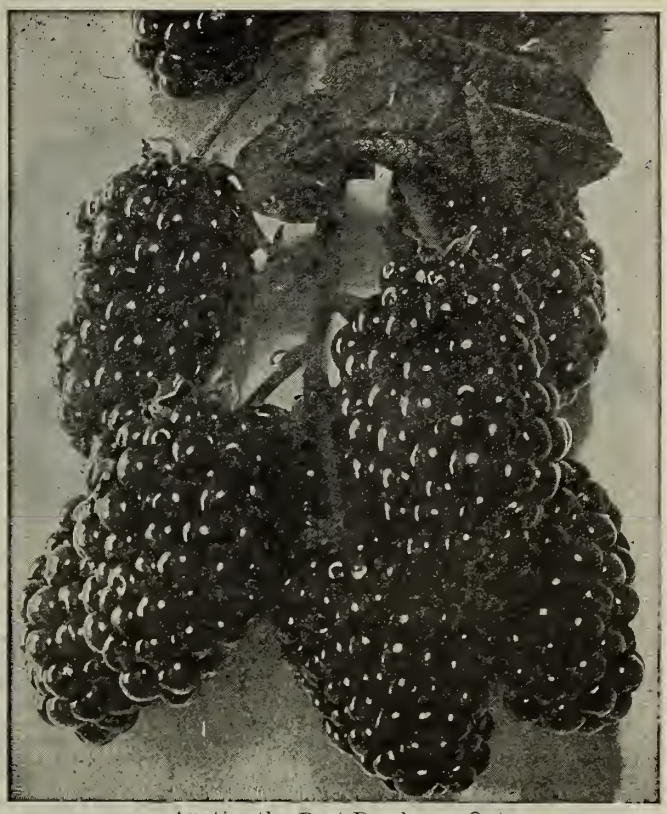
Price: Strong transplanted plants, each 5c; 10 for 30c; 100 for $2.00; 1000 for $18.00.

AUSTIN. Berries very much larger than those of any other Dewberry or Blackberry. It requires no trellis or stakes. The fruit is jet black and of very superior quality and flavor. For productiveness it outrivals all Dewberries.

Price: 6c each; 10 for 45c; 100 for $4.00; 1000 for $30.

See prices on all trees, shrubs and plants by parcel post, pages 64, 65, 66 and 67.

Cardinal Raspberry



Austin, the Best Dewberry Out

RASPBERRIES

Plant in rows five feet apart and three feet in the row. Will do well in any soil. Cultivate thoroughly and keep free from weeds. Destroy all suckers, cutting out all old wood. Our plants are strong and well rooted. There is big money in growing a good red variety for most any market. They have many advantages over the blackcap, as they can stand both cold and hot weather much better. They are easier cared for, selling for more money, and will produce as much fruit as the blacks. They become more popular each season for canning and jams, retaining their flavor for years after preserving.

Black Raspberries do not make sucker plants. They are propagated by covering the tips of the branches with dirt. This makes well-rooted plants by fall, but the roots are very soft and spoil much easier even than the strawberry roots. They are hard to make grow, a good percentage is always lost in transplanting. We transplant these plants and grow them one year and will after this offer only transplanted Black Raspberry plants. While they are a little higher in price, you will find them much more satisfactory—you will get a perfect stand. We can ship such plants any distance, as the roots are firm and hard as those of Blackberry or Gooseberry. In comparing our prices with other catalogues, please bear in mind that we furnish transplanted plants only.

RED VARIETIES

ST. REGIS EVERBEARING RED RASPBERRY. An excellent novelty. Raspberries four months! That's what you get when you plant the St. Regis, the new everbearing variety. Moreover, they are not only raspberries, but raspberries of the very highest grade—in size, in brilliant crimson color, in firmness, in flavor. The variety has been aptly termed "the early till late" variety for it is the first red raspberry to give ripe fruit, while it continues to produce berries without intermission until late October. St. Regis is of pure American blood and of ironclad hardihood. In addition to the brightest crimson color, and large size of the fruit, it is so firm and rich in sugar that it will stand shipping 200 miles, arriving at market in first-class order; and it can be readily kept in perfect condition for several days after being gathered. Unlike any other raspberry, the St. Regis yields a crop of fruit the season it is planted. Plants of it planted in early April gave ripe berries on June 20th of the same year. For four weeks thereafter the berries were large and beautiful, firm and full flavored to the very last.

Price: 15c each; 10 for $1.25; 100 for $10.00.

Herbert, the Hardiest Red Raspberry

RASPBERRIES—(Continued)

RED VARIETIES

HERBERT. Originated in Canada. Prof. W. T. Macoun of Ottawa describes it as follows: "A chance seedling, originating with R. B. Whyte, Ottawa, Canada, in 1887. One of 30 seedlings, probably of Clarke. A very strong grower, hardy and very productive. Fruit large to very large, obtusely conical, bright to rather deep red; drupes medium size, not crumbling; moderately firm; sweet and sub-acid, sprightly, juicy and of good flavor. Quality very good. Season begins a few days before Cuthbert. **The best Red Raspberry tested here.** It has all the good points required in a berry for local market, being hardy, vigorous, productive, with fruit of large size, and very good color and quality."

I find this Raspberry to be exceedingly hardy, of fine quality, one of the best Raspberries I have seen, and can recommend it to all my customers. Please note the very low price for plants of my own growing.

Price. 10c each, 10 for 90c, 100 for $8.00, 1000 for $60.00.

CARDINAL. Originated in Kansas. Vigorous, strong canes with red bark and very hardy wood. Exceedingly productive. Berries are of a purplish red color, very firm, with a pure, rich flavor. Season somewhat late and they hold on well. Does not root-sucker. Plants are propagated from the tips.

Price: 6c each, 10 for 50c, 100 for $3.50, 1000 for $30.00.

CUTHBERT. A strong growing, hardy variety; stands Northern winters well; berries very large, firm, can be shipped long distances to market; flavor is sweet, rich and luscious. The best late red raspberry.

Price: 5c each, 10 for 25c, 100 for $1.50, 1000 for $12.00.

COLUMBIAN. The great Raspberry of the age. It is a seedling of the Cuthbert, grown near the Gregg, and is believed to be a cross between the two. It is enormously productive; of large size and excellent quality. Season of fruiting from July 12th to August 15th. It has stood 28 degrees below zero without injury; is propagated from the tips and does not sucker. The color is dark red; adheres to the stem, does not crumble in picking, and is a splendid shipper.

Price: 7c each, 10 for 60c, 100 for $4.50, 1000 for $40.00.

MILLER. Very early and hardy and makes a healthy growth of canes. Berries are about the same as Cuthbert in color and quality, but much earlier, fully hardier and more firm. Will hang on the bushes several days without getting soft. Best early Red Raspberry.

Price: 5c each, 10 for 30c, 100 for $2.00, 1000 for $16.00.

SUNBEAM. Originated by Professor Hansen of the South Dakota State College of Agriculture. Here is his description of the Sunbeam Raspberry: "The first of our many thousand raspberry seedlings to be named. First sent out spring, 1906. Plant extremely vigorous, productive, purple caned, sprouts freely. Fruit of fair size and quality. It is worthy of trial where raspberries winter kill, as it has endured 41 degrees below zero without protection. It endured last winter at Bismarck, N. D., without protection, and other good reports have been received."

I find that this Raspberry is not quite so large as some other varieties, but of good quality and flavor, and it will bear fruit every year when other varieties freeze out entirely.

Price: 10c each, 10 for 70c, 100 for $6.00.

TURNER. This old variety is still a favorite everywhere and has an established reputation as a sweet, profitable market sort. Berries bright red, medium size, juicy and sweet. Healthy grower and a great producer. Ripens early

Price: 6c each, 10 for 35c, 100 for $2.00, 1000 for $14.00.

CAROLINA GOLDEN. From one of the best growers of Raspberries in Germany. Berry large, yellow, firm and sweet. A good bearer and very hardy. It is much superior to the old Golden Queen. A better berry in every respect, and of a prettier yellow color. **Price:** 20c each, 10 for $1.75, 100 for $16.00.

BLACK VARIETIES

EARHART EVERBEARING. Actually bears continuously from June 1st until killed by frost in fall. The canes are literally loaded with fruit in all stages from bloom to ripe fruit. The berries are black in color, of good size and very fine flavor. As hardy as any of the Black Raspberries. Creates the greatest surprise when shown at fairs and horticultural societies. Has no equal as an everbearing variety. A great novelty and a valuable one as well.

Price: Strong plants, 15c each; 10 for $1.25, 100 for $10.00.

CUMBERLAND. Very hardy and productive. Berries large, handsome, very firm and stands long shipments. Remarkably free from diseases. The last two years the Cumberland has given us more and larger berries than the Kansas. This variety is also largely planted in Idaho.

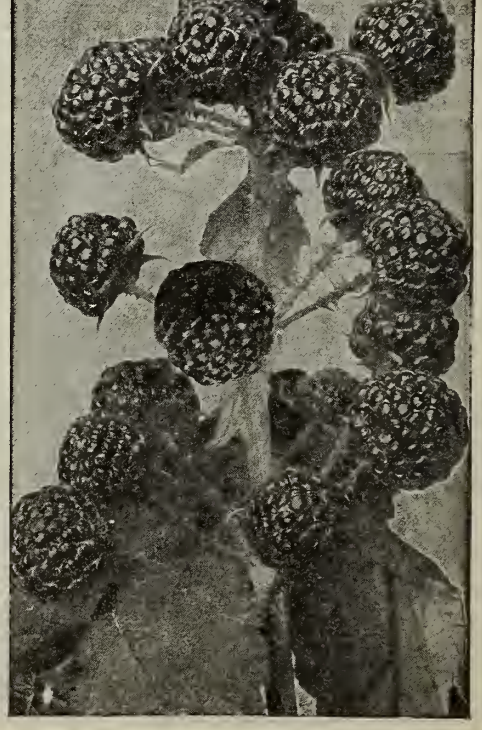
Price: Strong transplanted plants, 7c each; 10 for 55c; 100 for $3.50; 1000 for $30.00.

HOOSIER. The Dollar-a-Gallon Berry. This Raspberry originated in Indiana years ago and has proven a wonder, surpassing all others in every point of excellence. Perfectly hardy and fully tested in every state in the Union and throughout Canada; does not winter kill and will mature a full crop, even to the tips of the canes. This berry begins to ripen a full week ahead of the Cumberland and continues a week longer, is firmer and better flavored, jet black and glossy, very productive; averages 1200 gallons per acre and is a drought resister, and is absolutely proof against Anthracnose and other raspberry pests.

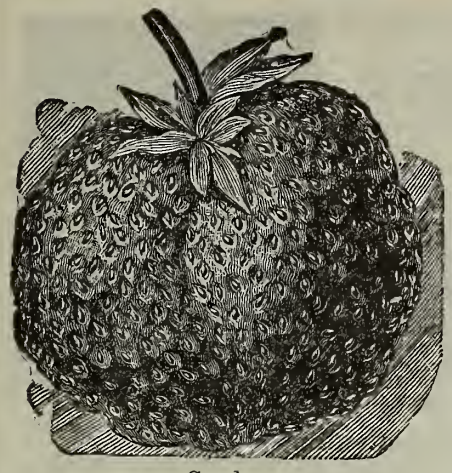
Price: 12c each, 10 for $1.00, 100 for $7.00, 1000 for $60.00.

KANSAS BLACK. See description page 23.

GREGG. See description page 23.



Kansas Black Raspberry (Page 23)



Gandy

RASPBERRIES, BLACK VARIETIES—(Continued)

GREGG. This has been the leading market variety all over the country. Best for evaporating. A good, strong, all around blackcap of good quality.

Price. Strong transplanted plants, 7c each; 10 for 55c, 100 for $3.50, 1,000 for $30.

KANSAS BLACK. A valuable early blackcap, so strong and hardy as to endure extremes of cold and drought and yet bear heavy crops. The berries are large, showy, firm, of best quality, selling for the best market prices. One of the best for market and a good shipper. Vigorous in growth and not subject to leaf blight.

Price. Strong transplanted plants, 8c each, 10 for 60c; 100 for $3.75, 1,000 for $32.50.

STRAWBERRIES

Strawberry Plants are all quoted at prepaid prices.

These should do well in any ordinary farm or garden soil. The ground should be well prepared. For field culture set in rows three feet apart, and from 12 to 15 inches in the row. For garden 15 inches apart each way. Cultivate well and keep clear from weeds. Cut off all runners as soon as they appear, as fruit will be much larger. In winter a covering of straw or old hay will protect the plants. Do not cover until the ground is frozen.

Strawberry plants can not be shipped by freight to distant points, but should go by express to insure safe arrival.

COMMON VARIETIES

Price of all varieties of Strawberries, EXCEPT AMERICUS AND SUPERB. By parcel post or express, prepaid, 25c for 25, 80c per 100, $6.00 per 1,000.

AROMA, Late, Perfect. Berries very large, bright red to the center; rich, delicately aromatic, firm and a good shipper.

BRANDYWINE, Very Late, Perfect. Blood red, great yielder of large, round berries, fine quality, having a delicious flavor; makes plenty of good, strong, well-rooted plants. If you are looking for a No. 1 canning berry or for table use, we would recommend the Brandywine. A good shipper.

EXCELSIOR, Perfect. A reliable variety with luxuriant foliage that protects the flowers from early frosts. A prolific yielder of large, highly colored berries of fine quality. Especially recommended for home use, and is at its best when planted in hills.

GANDY, Late, Perfect. Considered the best long keeping and the best shipping berry in the market. On heavy, rich soil the plant is a marvel of vigor and productiveness.

KLONDIKE, Early, Perfect. The most popular of all Southern varieties. Berries good size, regular shape and very attractive, bringing top prices on any market. Extra valuable for long distance shipping.

MICHAEL'S EARLY, Early, Perfect. One of the earliest varieties grown. Conical in shape, of a rich crimson color, with a rich, mild flavor and deep pink meat. The plant is strong and healthy; one of the best for fertilizing early pistillate varieties. You can always depend on this berry.

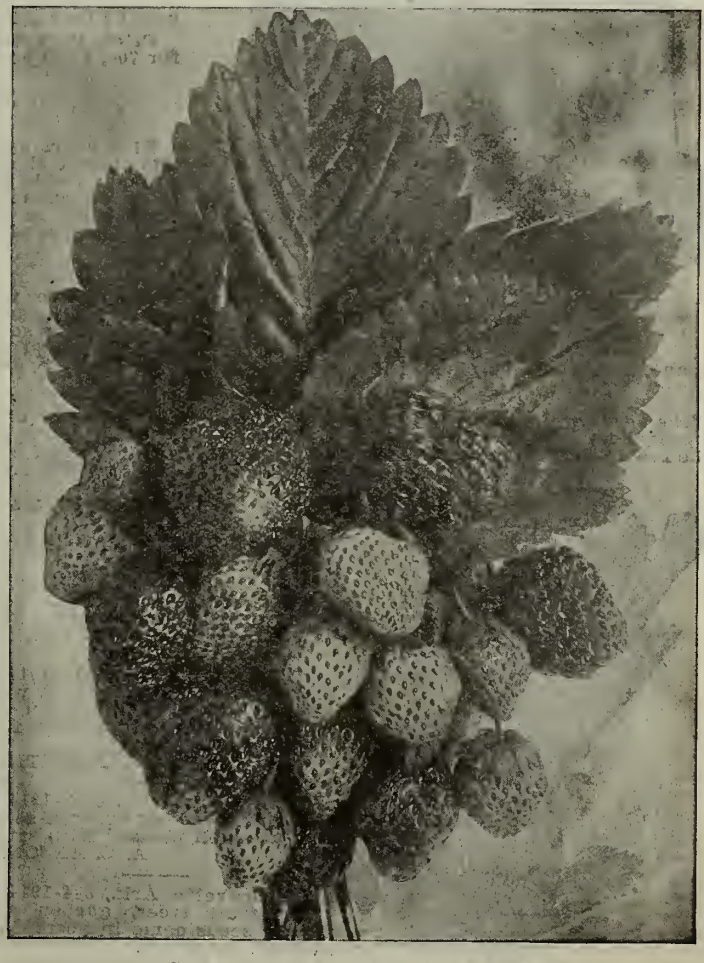
SENATOR DUNLAP. Medium Early, Perfect. This is the most popular strawberry in all sections of the United States. It produces immense crops of dark red, top shaped berries of medium size to large size. Few varieties bear fruit of such uniform size and color. Stands universally as a leading commercial strawberry, and succeeds equally well all over the country.

EVERBEARING OR FALL VARIETIES

You can have strawberries just as easily in the fall as in the spring by planting the Americus or Superb, known as the fall-bearing varieties. They will produce heavy crops in the fall of as fine berries as any spring ripening strawberries. Truly a luxury for home and profitable for market. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

AMERICUS. This is the most wonderful everbearing strawberry ever produced—better than any I have ever seen imported from France or Germany. A healthy and strong grower; very productive, from May until freezing weather; very drought resistant; a better berry for a hot, dry climate than any other variety. Size medium to large, very firm, uniform shape, bright red outside and inside. Has the native wild strawberry flavor. Succeeds well anywhere. With me, this berry fruited well this summer and fall. Perfect. **Price.** 7c each, 50c per doz., $3.00 per 100.

SUPERB. Cooper's introduction. Berry glossy, very attractive, and of the finest flavor. Size of berry very large and firm. Brings every blossom to maturity, which is a strong point in a fall-bearing strawberry. The plants are strong and stand the winter well, after producing a heavy fall crop. Superb will please you and will bring you nice fresh strawberries in the late summer and fall. **Price.** 7c each, 50c per doz., 100 for $3.00, 1,000 for $27.00.



Superb Everbearing Strawberries

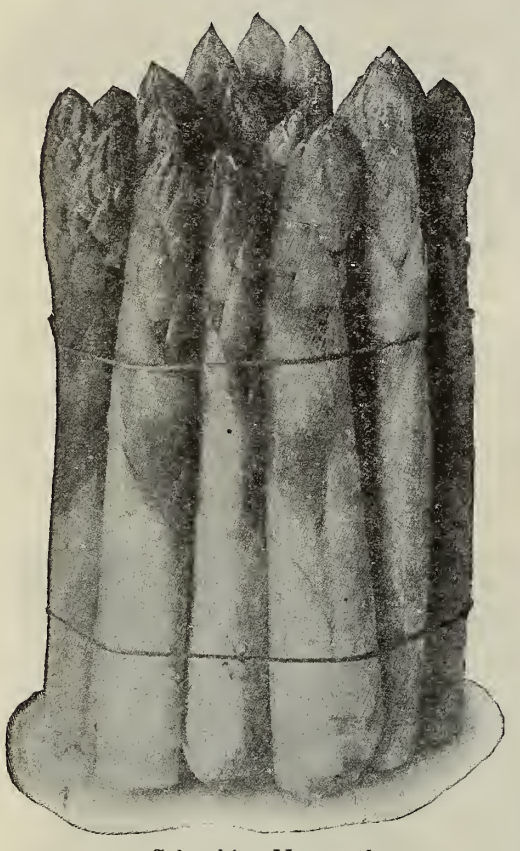
HORSE RADISH

This popular condiment is very easily produced in the home garden and anyone who has compared the freshly dug article with that sold over counters, can appreciate the value of good home-grown horseradish. A half dozen roots will provide the ordinary family, and as it spreads quite rapidly, the source of supply is easily maintained. We furnish large, strong roots, not small lengths. **Price.** 10 for 15c, 100 for $1.25, 1,000 for $10.00.

Asparagus Root

RHUBARB OR PIE PLANT

Also called Wine Plant. This plant affords the earliest material in the spring, for pies and tarts. Invaluable for canning and wine. Can be set out in either spring or fall. Will grow in any good garden soil. Deep, rich, moist soil is best, but it is such a strong, vigorous growing plant, it will almost thrive anywhere. Plant in rows four feet apart, and the plants three feet apart. Set so that the crowns are about an inch below the surface. Rhubarb is a gross feeder and the more manure it is given, the larger and finer the yield.



Columbian Mammoth

LINNAEUS. Medium size, early and tender.

GIANT. Very early, vigorous grower and of fine quality. Best for canning.

Price, both varieties: Nice, strong, two-year-old roots, each 10c, 10 for 70c, $5.00 per 100.

ASPARAGUS

This earliest and finest of spring vegetables is among the earliest cultivated and most profitable. A bed once planted suffers no deterioration for many years if it is properly attended to and well manured. See that the ground is well manured. See that the ground is well drained; work it up fine and deep, and make it very rich with well rotted barnyard manure. Place the plants 8 inches apart in rows 3 feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with 3 or 4 inches of mellow dirt. Give bed liberal dressings of manure at in tervals.

CONOVER'S COLOSSAL. Produces large, tender shoots. Well known and largely planted.

COLUMBIAN MAMMOTH. A distinct variety of mammoth size and superior quality. Remarkable for the clear whiteness of its stalks.

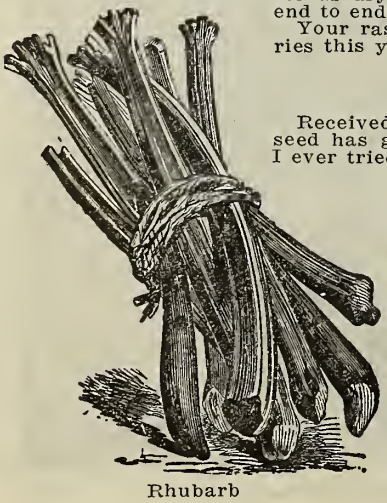
Price, Both Varieties, Two-Year-Old Plants, 10 for 10c, 100 for 70c, $5.50 per 1,000.

SATISFIED CUSTOMERS

Helena, Ohio, Feb. 13, 1914.
Five years ago last spring I bought 37 peach trees of you and planted them on one-fifth of an acre, or one town lot; last summer I sold $97.00 worth of peaches from these trees, besides we canned 100 quarts for our own use. I paid $75.00 for the lot, or at the rate of $375.00 per acre, the one crop paid for ground, trees and fence. ROYAL M. GARN.

Clinton, Ind., Feb. 15, 1914.
About two years ago I ordered a few fruit trees of you, apples and peach; they all did so well and the peaches came into bearing so early I concluded you are among the honest seedsmen, and your trees were certainly cheap (the price, I mean), so I would be pleased if you would send me a copy of your garden seed catalogue. AMON DOWDY.

Edwardsville, Ill., Oct. 10, 1913.
We had an awful dry spell, so we couldn't expect them to grow any better. It seemed as if every seed came up. The Iowa Silver Mine corn from you came up fine. It made fine ears for as dry as it was. It has grains from end to end.
Your raspberry bushes bore lots of berries this year.
MRS. JOHN KAUFMAN.



Rhubarb

Hickman, Ky., 2-6-1914.
Received my order today, all O. K. Your seed has given perfect satisfaction. Best I ever tried. O. D. COLE.

Zeandale, Kan., 2-19-1914.
Orders received all O. K. with two extras. Thanking you for same and for promptness in filling order, I remain
P. G. SMITH.

Decatur, Neb., 4-12-1914.
We received our order of seeds and are well pleased with same.
A. C. ANSON.

Gravette, Ark., 3-4-1914.
My fruit trees, garden and flower seeds came in yesterday, in good condition.
F. F. CRAWFORD.

Senator Dunlap (Page 23)

FOREST TREE SEEDLINGS

ALL NURSERY GROWN

We are the largest growers of all kinds of forest tree seedlings in the West. We grow them by the millions. Our seedlings are nice, well rooted and sound, and will be well graded. Description please find under "Ornamental and Shade Trees."

Our seedlings are carefully raised, our soil here being especially adapted to the raising of first class, clean seedlings and nursery stock in general. The rather severe climatic conditions insure vigorous, hardy stock, that can withstand the raw, cold winters and the hot, dry summers to a surprisingly large degree. You will experience no trouble to get our seedlings to start well, if proper care is used in transplanting. We invite correspondence from parties desiring to purchase large quantities of seedlings.

		By Freight or Express			
	1	10	100	1000	10000
ALDER, EUROPEAN 18-24 inch, 2 year seedlings	$0.05	$0.30	$2.50	$22.00	.....
ASH, WHITE 4-8 inch, 1 year seedlings	.....	.....	.20	1.50	$14.00
" " 8-12 inch, 1 year seedlings	.....	.....	.25	1.75	16.00
" " 12-18 inch, 1 year seedlings	.....	.....	.35	2.75	25.00
" " 18-24 inch, 2 year seedlings	.....	.10	.50	4.50	42.50
" " 2-3 feet, 2 year seedlings	.....	.15	1.00	9.00	.....
BEECH, EUROPEAN 12-18 inch, 2 year seedlings	.05	.30	2.75	22.00	.....
BEECH, BLOODLEAF 12-18 inch, 2 year seedlings	.15	1.25	10.00	.....	.....
BLACK LOCUST (Also called Yellow Locust) 4-8 inch, 1 year seedlings	.....	.....	.15	1.30	12.50
" " 8-12 inch, 1 year seedlings	.....	.....	.20	1.75	16.00
" " 12-18 inch, 1 year seedlings	.....	.....	.35	2.75	25.00
" " 18-24 inch, 1 year seedlings	.....	.10	.60	5.00	45.00
" " 2-3 feet, 1 year seedlings	.....	.15	1.00	9.00	.....
" " 3-4 feet, 2 year seedlings	.05	.40	3.00	.....	.....
HONEY LOCUST 4-8 inch, 1 year seedlings	.....	.....	.15	1.40	13.00
" " 8-12 inch, 1 year seedlings	.....	.....	.25	1.90	18.00
" " 12-18 inch, 1 year seedlings	.....	.....	.35	3.00	28.00
" " 18-24 inch, 2 year seedlings	.....	.....	.60	5.00	45.00
" " 2-3 feet, 2 year seedlings	.....	.15	1.00	9.00	.....
BIRCH, EUROPEAN, WHITE 15-18 inch, 2 year seedlings	.05	.35	3.00	25.00	.....
BOX ELDER 4-8 inch, 1 year seedlings	.....	.....	.20	1.75	16.00
" " 8-12 inch, 1 year seedlings	.....	.....	.25	2.20	20.00
" " 12-18 inch, 1 year seedlings	.....	.....	.35	3.00	.....
" " 18-24 inch 1 year seedlings	.....	.....	.50	4.50	.....
" " 2-3 feet, 2 year seedlings	.....	.20	1.00	8.00	.....
" " 3-4 feet, 2 year seedlings	.05	.35	3.00	25.00	.....
CATALPA. Very stocky and heavy. 4-8 inch, 1 year seedlings	.....	.....	.20	1.40	13.00
" 8-12 inch, 1 year seedlings	.....	.....	.25	1.70	16.00
" 12-18 inch, 1 year seedlings	.....	.....	.40	2.70	.....
" 18-24 inch, 1 year seedlings	.....	.10	.50	3.70	.....
" 2-3 feet, 2 year seedlings	.....	.15	1.00	7.00	.....
CHERRY, WILD BLACK 8-12 inch, 1 year seedlings	.....	.10	.50	4.50	.....
" " " 12-18 inch, 1 year seedlings	.....	.15	.80	7.00	.....
" " " 18-24 inch, 2 year seedlings	.....	.20	1.20	10.00	.....
" " " 2-3 feet, 2 year seedlings	.05	.35	2.50	20.00	.....
" " " 3-4 feet, 2 year seedlings	.07	.50	3.50	30.00	.....
COTTONWOOD 8-12 inch, 1 year seedlings	.....	.....	.20	1.50	13.00
" 12-18 inch, 1 year seedlings	.....	.....	.25	2.00	18.00
" 18-24 inch, 1 year seedlings	.....	.....	.35	2.80	.....
" 2-3 feet, 2 year seedlings	.....	.....	.65	6.00	.....
ELM, WHITE 4-8 inch, 1 year seedlings	.....	.....	.20	1.70	.....
" " 8-12 inch, 1 year seedlings	.....	.....	.25	2.20	.....
" " 12-18 inch, 1 year seedlings	.....	.10	.40	3.50	.....
" " 18-24 inch, 2 year seedlings	.....	.15	.60	5.00	.....
HACKBERRY 8-12 inch, 1 year seedlings	.....	.....	.50	4.50	.....
" 12-18 inch, 2 year seedlings	.....	.....	.70	6.00	.....
" 18-24 inch, 2 year seedlings	.....	.20	1.25	11.00	.....
" 2-3 feet, 2 year seedlings	.05	.25	2.00	18.00	.....
HORSE CHESTNUT, EUROP. 12-18 inch, 2 year seedlings	.05	.40	3.00	25.00	.....
LINDEN, GERMAN 18-24 inch, 2 year seedlings	.05	.40	3.00	28.00	.....
" **AMERICAN** 12-18 inch, 1 year seedlings	.05	.40	3.00	28.00	.....
MAPLE, HARD OR SUGAR 10-15 inch, 2 year seedlings	.05	.30	2.00	16.00	.....
" **NORWAY** 18-24 inch, 2 year seedlings	.05	.40	3.00	28.00	.....
" **SOFT OR SILVER** 8-12 inch, 1 year seedlings	.....	.....	.25	2.20	.....
" " " 12-18 inch, 1 year seedlings	.....	.....	.35	3.30	.....
" " " 18-24 inch, 1 year seedlings	.....	.....	.60	5.50	.....
MOUNTAIN ASH 18-24 inch, 2 year seedlings	.05	.40	3.00	28.00	.....
MULBERRY, RUSSIAN 4-8 inch, 1 year seedlings	.....	.....	.20	1.60	14.00
" " 8-12 inch, 1 year seedlings	.....	.....	.25	2.00	18.00
" " 12-18 inch, 1 year seedlings	.....	.....	.35	3.00	.....
" " 18-24 inch, 2 year seedlings	.....	.....	.50	4.50	.....
" " 2-3 feet, 2 year seedlings	.....	.....	1.20	11.00	.....
OSAGE ORANGE 4-8 inch, 1 year seedlings	.....	.....	.15	1.20	10.00
" " 8-12 inch, 1 year seedlings	.....	.....	.20	1.75	16.00
" " 12-18 inch, 2 year seedlings, heavy	.....	.....	.30	2.50	24.00
" " 18-30 inch, 2 year seedlings, very heavy	.....	.10	.35	3.00	.....
OLIVE, RUSSIAN 12-18 inch, 2 year seedlings	.....	.....	2.50	20.00	.....
" " 18-24 inch, 2 year seedlings	.....	.....	3.00	25.00	.....
" " 2-3 feet, 2 year seedlings	.05	.45	4.00	35.00	.....
" " 3-4 feet, 2 year seedlings	.08	.70	6.00	.....	.....
OAK, PIN 12-18 inch, 1 year seedlings	.05	.40	3.50	30.00	.....
" **RED** 12-18 inch, 1 year seedlings	.05	.30	2.50	20.00	.....
SYCAMORE, AMERICAN 12-18 inch, 1 year seedlings	.....	.20	1.00	9.00	.....
" **EUROPEAN** (Oriental) 18-24 inch, 1 year seedlings	.05	.40	3.00	28.00	.....
WILLOW, GOLDEN 18-24 inch, 1 year from cutting	.05	.35	2.50	20.00	.....
" " 2-3 feet, 1 year from cutting	.06	.40	3.00	28.00	.....
WALNUT, BLACK 12-18 inch, 1 year seedlings	.....	.15	1.00	9.00	.....
" " 18-24 inch, 2 year seedlings	.03	.25	2.00	17.00	.....
" " 2-3 feet, 2 year seedlings	.05	.35	3.00	26.00	.....
" " 3-4 feet, 3 year seedlings	.07	.60	5.00	.....	.....

CUTTINGS—ABOUT TEN INCHES LONG

GOLDEN WILLOW	.....	.....	.20	1.50	13.00
LAUREL LEAF WILLOW	.....	.....	.30	2.75	25.00
BASKET WILLOW	.....	.....	.20	1.50	13.00
DIAMOND WILLOW	.....	.....	.20	1.50	13.00
CAROLINA POPLAR	.....	.....	.25	2.00	17.50
NORWAY "	.....	.....	.30	2.50	22.50
SILVER "	.....	.....	.25	2.00	18.00
VOLGA "	.....	.10	.50	4.50	.....

FRUIT TREE AND ROSE SEEDLINGS

These seedlings I offer in the same sizes and qualities as I use in my own Nurseries. The best only, and at low prices.

	1	10	100	1000	10000
APPLE, from French Crab seed, 1 year, No. 1	.....	$0.20	$1.50	$12.00	$110.00
APPLE, from French Crab seed, one year, No. 2	.....	.15	1.00	8.00	70.00
APPLE, Doucine (for Dwarf Apple), 1 year, No. 1	$0.05	.30	2.75	25.00	.....
APPLE, Paradise (for Dwarf Apple), 1 year, No. 1	.05	.35	3.25	30.00	.....
CHERRY, Mahaleb, No. 1	.05	.25	2.00	16.00	150.00
CHERRY, Mazzard, No. 1	.05	.30	2.50	20.00	180.00
CHERRY, Mazzard, No. 2	.04	.20	1.80	16.00	150.00
PEAR (French), 1 year, No. 1	.05	.20	1.75	15.00	135.00
PEAR (French), 1 year, No. 2	.03	.15	1.50	12.00	115.00
PLUM, Myrabolan, 1 year, No. 1	.05	.30	2.50	19.00	180.00
PLUM, St. Julien (for Dwarf Plum), No. 1	.05	.25	2.20	20.00	.....
QUINCE, for Dwarf Pear, No. 1 rooted, layers	.05	.25	2.00	18.00	.....
ROSE MANETTI, 1 year, No. 1 seedlings	.05	.20	1.75	16.00	.....
ROSE CANINA, 1 year, No. 1 seedlings	.05	.20	1.75	16.00	.....

FOREST TREES FOR FENCE POSTS

It seems to me that our prairie farmers are not planting enough forest trees. Carload after carload of fence posts alone are shipped to the prairie countries every year, and the farmers are paying large sums of money for something that they could just as well raise for themselves; and very cheaply at that.

The Bureau of Forestry at Washington, D. C., has, in the last few years, done a great deal to encourage the farmers to plant forest trees, and showed them what and how to plant. Still, a large percentage of our prairie farmers are almost without any trees and very few have planted systematically, and are taking the right care of them. The large railroad companies have seen the point long ago, and have planted large forests of trees suitable for their purpose. Railroad corporations are shrewd business people, and if it pays them to raise their own ties, telegraph poles and bridge timbers, I cannot see why it would not be a good investment for our prairie farmers to raise their own fence posts and fuel.

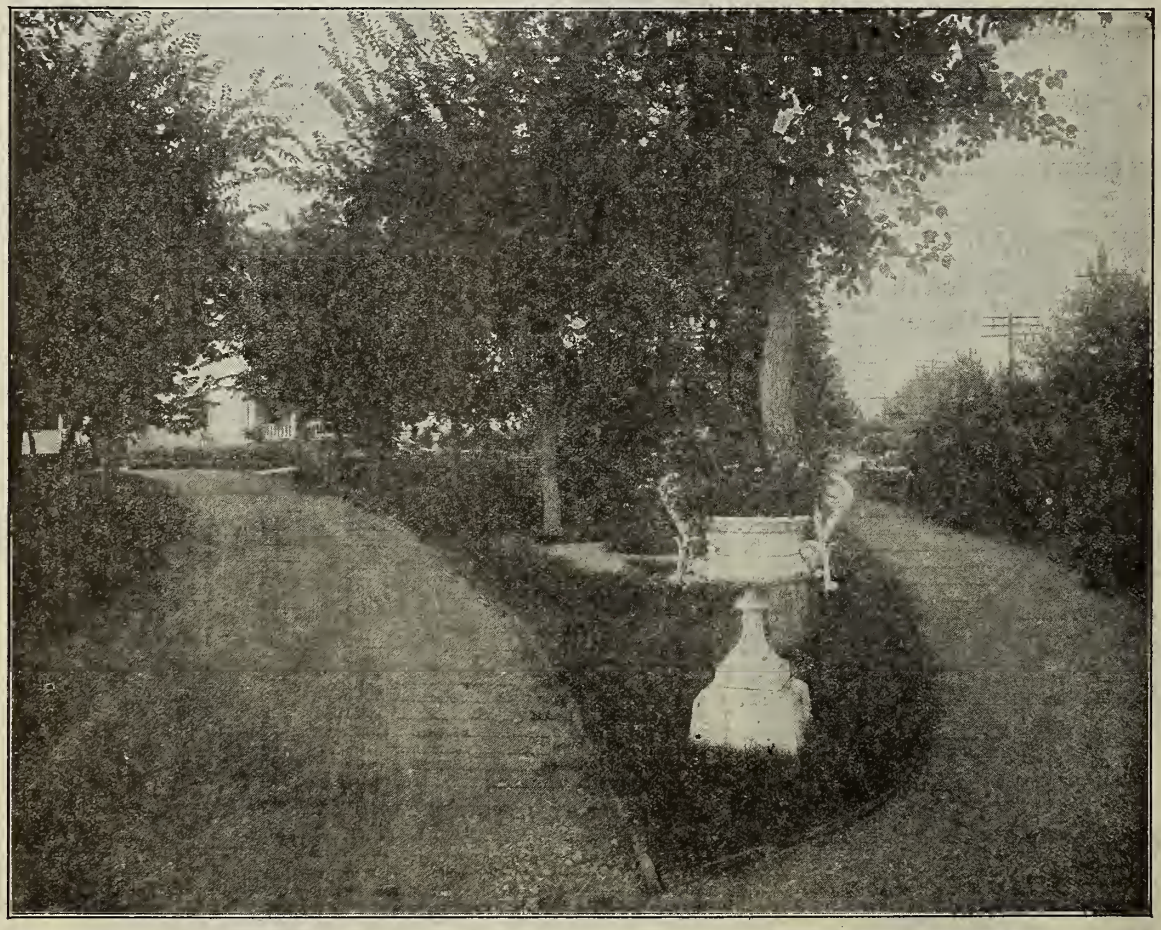
It is a very easy matter, and with a little care a good grove can be had on a farm with very little expense. Almost any land, even when very stony or sandy, will grow trees of some kind. Before setting the trees, plow your land deep and harrow it well, about the same as you would for corn. I would advise to use one or two-year-old seedlings. They root readily, and can be cultivated the first year with a double corn cultivator. Care should be taken, however, to keep the ground level.

BEST TREES FOR FENCE POSTS and suitable for Texas, Oklahoma, Missouri, Kansas and Nebraska, are:

THE BLACK OR YELLOW LOCUST. This is a very fast grower, surpassed in quick growth only by the Cottonwood. The tree grows straight, forms good tops, has small, thick thorns; the blossoms are white and the seed pods look like small string beans. It is native anywhere south of Nebraska, and I have some trees growing wild on the Little Blue River, in Jefferson County, this state. The wood is very durable—fence posts lasting almost as long as Red Cedar.

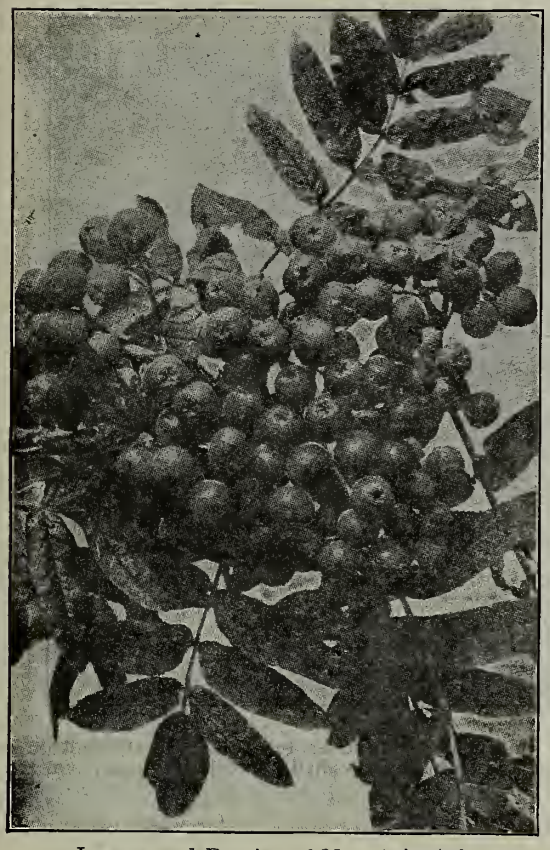
CATALPA. Of this variety only the Speciosa, or Hardy Catalpa, should be planted for timber. It has a very smooth bark, large, broad leaves and quite showy flowers, growing in pyramidal clusters. It grows very fast, and the wood is probably the most durable for fence posts. In Bulletin No. 73 of the Forestry Division of the Department of Agriculture, a picture is shown of a Catalpa post which was in the ground 38 years.

THE RUSSIAN MULBERRY. Another good tree for fence posts. It grows reasonably fast; will make posts in 8 or 10 years, which are very strong and durable. The tree is hardy anywhere south of South Dakota.



On the left, driveway through my grounds to home. The trees are American White Elm. To the right, a five-foot walk.

ORNAMENTAL AND SHADE TREES



Leaves and Berries of Mountain Ash

On this and several pages following we give a list of trees that are hardy and can endure the dry weather of the West. All these trees have been raised in the nursery, are well pruned and have good bodies and tops. All have been transplanted once and have therefore good roots. Our prices are so low that anyone can afford to beautify his home. For one-year seedlings of these varieties see pages 20 and 21. Should you need a plan for your home grounds, write us.

These trees are all too large to go by parcel post, must go by freight or express.

ASH. (White.) Fraxinus Americana. A rapid growing native tree, of fine symmetrical outline. Very hardy and drouth resistant. Good street or park tree.

Price of White Ash Trees:	Per 1	10	100
3 to 4 ft. trees, nice, well pruned	$0.10	$0.75	$ 6.00
4 to 5 ft. trees, nice, well pruned	.14	1.00	9.00
5 to 6 ft. trees, nice, well pruned	.18	1.75	14.00
6 to 8 ft. trees, nice, well pruned	.30	2.75	25.00
8 to 10 ft. trees, nice, well pruned 1¼ to 1½ inch caliper	.60	5.50	47.00
10 to 12 ft. trees, nice, well pruned, 1½ to 2 inch caliper	1.25	11.00	100.00

MOUNTAIN ASH. European. (Sorbus Aucuparia.) Hardy tree of medium size, a smooth bark, head dense and regular, covered from July till winter with large clusters of bright red berries. A fine lawn tree and very hardy. **Price,** 4 to 5 ft. trees 30c each, 10 for $2.50; 5 to 6 ft. trees 40c each, 10 for $3.50; 6 to 8 ft. trees 60c each, 10 for $5.00.

OAK-LEAF MOUNTAIN ASH. A large tree of fine pyramidal habit. Attains a height of 25 to 30 feet. A strong growing tree, with smooth bark, deeply lobed foliage, resembling the oak leaves. Light green on upper side, and downy whitish below. Like all Mountain Ash it bears clusters of red berries. Tree very hardy; succeeds well in Nebraska and is hardy in South Dakota. **Price,** 4 to 6 ft. trees, 30c each, 10 for $2.50.

BECHTEL'S DOUBLE-FLOWERING CRAB. (Pyrus Coronaria.) Probably the best of the many varieties of flowering crab. Very hardy, thriving in most any soil, covered in the spring with large beautiful, double, fragrant flowers of a delicate pink color. Suitable for a lawn tree or for a group. **Price,** 3 to 4 ft. trees 40c each, 10 for $3.50.

PURPLE BEECH, RIVERS. (Fagus Sylvatica Rivorsi.) One of the most attractive ornamental trees for lawn or park plantings. Very hardy and rarely subjected to insect ravages. Thrives in almost any soil, preferring a sandy, loam and a half-shady position. Leaves large, smooth, very dark purple. Best purple-leaved lawn tree known, making fine large specimens. **Price,** 4 to 5 ft. $1.25 each.

BIRCH, EUROPEAN. (Betula Alba.) A graceful tree with silvery white bark and slender branches. When a few years old, of an elegant drooping habit, rendering the tree very effective in parks or on lawns. Very hardy, even as far north as the Dakotas. **Price,** 5 to 6 ft. trees 50c each, 10 for $4.50.

BLACK CHERRY, WILD. (Cerasus Serotina.) One of the most beautiful native ornamental trees. Also valuable for timber and largely planted for this purpose. A strong, straight tree, with dark brown bark, good wide crown and dark green foliage. Flowers are borne in long, loose racemes, and are followed by purple-black fruit. Perfectly hardy, even as far north as North Dakota. One of the best of the hardy ornamental trees.

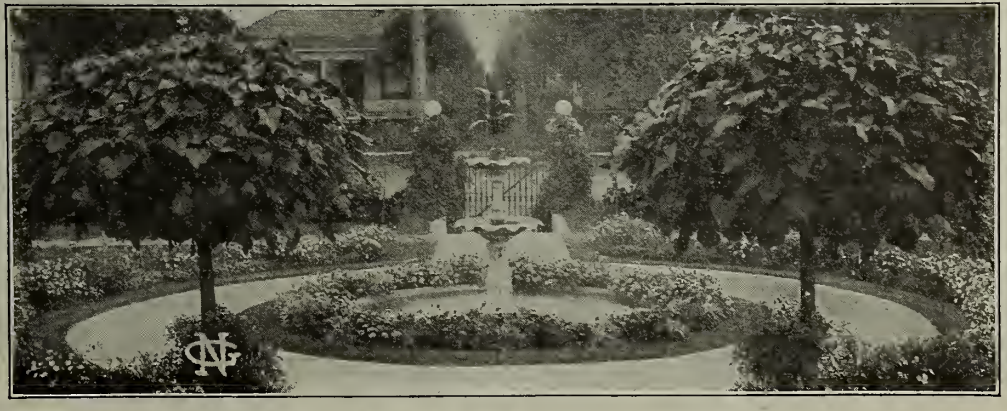
Price of Black Wild Cherry:	1	10	100
3-4 feet, nice trees	$0.12	$1.00	$ 9.00
4-5 feet, nice trees	.20	1.80	16.00
5-6 feet, nice trees	.30	2.80	26.00
6-7 feet trees, with very strong, well shaped two-year crowns	1.10	10.00	.....

BOX ELDER. Ash Leaved Maple. (Acer Negundo.) A small native tree, maple-like in its seeds and ash-like in its foliage. Of spreading habit, rapid growth, very hardy, desirable for street planting, and succeeds in many places where other varieties do not thrive.

Price of Box Elder Trees:	1	10	100
4 to 5 feet, nice trees	$0.12	$ 1.00	$ 9.00
5 to 6 feet, nice trees	.20	1.75	14.00
6 to 8 feet, nice trees	.30	2.75	22.00
8 to 10 feet, nice trees	.65	5.50	47.50
10 to 12 feet, nice trees	1.25	10.00	.....

DOUBLE FLOWERING PLUM. (Prunus Triloba.) A charming shrub or small tree of spreading, vigorous growth. Very early in spring, before the leaves appear, the whole tree is decked in a fleecy cloud of very double light pink blossoms. Beautiful lawn tree. **Price,** 3-5 ft. 40o each, 10 for $3.50.

CATALPA BUNGEI. (Chinese Catalpa.) A dwarf form, only 3 to 4 feet high, twice as broad. It is very useful in formal work when grafted on stems 5 to 8 feet high, forming a pretty dome shaped head of large, soft, heavy leaves. Elegant for lawn, parks and cemeteries. **Price.** 6-7 feet very strong, well shaped two-year crowns, each $1.10; 10 for $10.



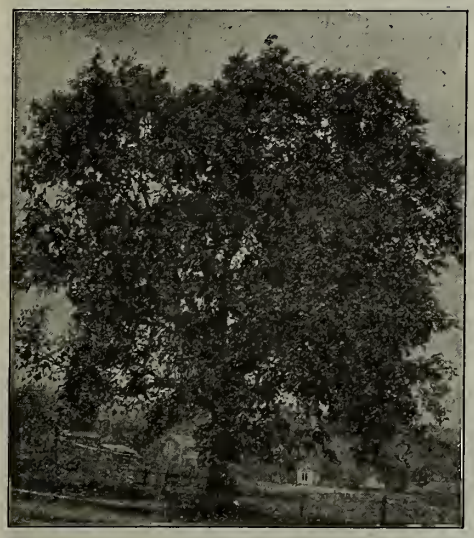
Catalpa Bungei, three years old, on my home place

ORNAMENTAL AND SHADE TREES—(Continued)

Walk in my garden. First bushes to left, Spirea Van Houtti, then Austrian and Scotch Pine. To right, Golden Willow in foreground and the high tree a Soft Maple. Walks are five feet, crushed stone base and gravel top.

Walk in my garden. Shrubs to left are Forsythias and Purple-Leaved Barberry. Little trees to right, Tree Lilacs; the taller tree a Norway Maple.

ORNAMENTAL AND SHADE TREES—(Continued)



White Elm

CATALPA SPECIOSA. Hardy Catalpa. An effective tropical looking lawn tree with very broad, large leaves and fragrant purplish-white blossoms of pyramidal clusters, often a foot long. There are few trees that have been more extensively planted for commercial plantations in the Middle West and the Eastern states. It is hardy, grows rapidly on prairies, resists drouth remarkably well, and has hardly any insect enemies. As a post timber it ranks with the Black Locust and Osage. Experiments have left no doubt as to its resistency to decay. Without doubt for fence post wood it has no equal, and in view of the fact that it can be grown so easily it ought not to require much argument to cause farmers to plant Catalpa wherever it will grow.

Price of Catalpa Speciosa:	Per 1	Per 10	Per 100
4- 5 feet, nice trees, well pruned	$0.12	$1.00	$ 9.00
5- 6 feet, nice trees, well pruned	.18	1.70	14.00
6- 8 feet, nice trees, well pruned	.30	2.70	24.00
8-10 feet, nice trees, well pruned	.50	4.80	45.00
10-12 ft., nice trees, well pruned, very strong	.90	8.50	.....
10-12 ft., 2 inch caliper and over	1.30	.....	.....

BLACK OR YELLOW LOCUST. (Robinia Pseudacacia.) A large native tree of rapid growth, valuable for shade as well as quite ornamental. The yellowish white flowers are in long pendulous racemes and appear in June. Wood is very valuable for posts, growing quicker to a given size than any other hardwood tree. The timber is of very best quality and for posts outlasts, with a few exceptions, all other sorts. The Forestry Division of the Agricultural Department at Washington recommends the Black Locust for Timber Plantation for Oklahoma, Texas, New Mexico, Kansas, Nebraska and California.

Price of Black Locust:	Per 1	Per 10	Per 100
4-5 feet, nice transplanted trees	$0.10	$0.80	$ 6.00
5-6 feet, nice transplanted trees	.15	1.40	13.00
6-8 feet, nice transplanted trees	.25	2.20	20.00

ELM. American White. (Ulmus Americana.) A noble native tree of large size, wide spreading head and graceful drooping branches. Easy to transplant; a hardy grower. One of the best park and street trees. Hardy everywhere. I can furnish large White Elm trees, all well pruned, well rooted and with good tops, by the carload. Write for prices in large quantities.

Price of White Elm. Nice, well pruned trees:

	Per 1	Per 10	Per 100	Per 1000
3- 4 feet	$0.07	$0.60	$ 4.00	$ 35.00
4- 5 feet	.10	.90	7.00	60.00
5- 6 feet	.15	1.30	11.00	100.00

	Per 1	Per 10	Per 100	Per 1000
6- 8 feet	$0.30	$2.80	$25.00	$220.00
8-10 feet	.50	4.00	37.00	.....
10-12 feet	.80	7.50	.....	.....

10-12 ft., 2 in. and over cal, very strong, each $1.25.

HACKBERRY. (Celtis Occidentalis.) Also called American Nettle Tree. A rare native tree, with numerous slender branches which spread horizontally, and thick, rough bark; apple-like foliage, but more pointed and a bright, shiny, green. A very desirable tree for street planting. Perfectly hardy in Nebraska and the Northern states. **Price of Hackberry.** 7-9 feet, nice trees, 60c each, 10 for $5.50; 9-11 feet, $1.00 each, 10 for $9.00.

HONEY LOCUST. (Gleditschia Triacanthos.) This is an ornamental native tree of more than ordinary value. Its branches are spreading, forming a broad, rather loose head. The branches and trunk are covered with strong thorns. Its foliage is finely compound, giving a soft and beautiful appearance, light green in the spring and summer, turning to a clear yellow in the fall. Is of rapid growth, stands pruning well and is often used for a hedge; its thorns make it almost impenetrable. I do not know of a better tree for western Kansas and western Nebraska.

Price:	Per 1	Per 10	Per 100
3- 4 feet, well pruned trees	$0.10	$0.75	$ 5.00
4- 5 feet, well pruned trees	.13	1.00	8.00
5- 6 feet, well pruned trees	.20	1.60	14.00

	Per 1	Per 10	Per 100
6- 8 feet, well pruned trees	$0.35	$3.00	$28.00
8-10 feet, well pruned trees	.65	6.00	50.00
10-12 feet, well pruned trees	1.00	9.00	75.00

THORNLESS HONEY LOCUST. (Gleditschia Inermis.) Same as above, except that it is entirely free of thorns and is therefore much more suited for a lawn tree.

Price. All well pruned trees, 3 to 4 feet, 15c each, 10 for $1.00; 4 to 5 feet, 20c each, 10 for $1.70; 5 to 7 feet, 25c each, 10 for $2.40; 7 to 8 feet, 45c each, 10 for $4.20; 8 to 10 feet, 80c each, 10 for $7.50.

HORSE CHESTNUT. (Castanea.) White flowering. A fine, large tree, of compact outline, dense dark green foliage. In June the tree bears in greatest profusion large panicles of white flowers, tinged with red. Very pretty for street or lawn.

Price. 5 to 6 feet, 65c each, 10 for $6.00; 6 to 8 feet, 90c each, 10 for $8.00.

KENTUCKY COFFEE TREE. (Gymnocladus Canadensis.) A perfectly hardy tree, with beautiful long, feathery foliage. Always makes a good crown and is, therefore, well adapted for ornamental or shade purposes. Perfectly hardy here.

Price. 4 to 5 feet, 20c each, 10 for $1.80.

PIN OAK. (Quercus Palustris.) An upright, vigorous growing variety, forming a stately, round topped tree, with long, slightly pendulous branches. The dark green, deeply cut foliage turns to brilliant yellow and crimson shades in autumn, forming one of the best of our fall colored trees. Transplants the easiest of all oaks, and is one of our very finest lawn trees and a desirable avenue tree.

Price. 5 to 6 feet, 65c each, 10 for $6.00.

Thornless Honey Locust. A fine shade tree, hardy and free of insects.

PARCEL POST. For all trees and plants that can go by Parcel Post, see prices on pages 64, 65, 66 and 67.

ORNAMENTAL AND SHADE TREES
(Continued)

SWEET GUM. (Liquidambar styraciflua.) A tree that is beautiful at all stages, useful in all sorts of planting, and has more distinct, admirable traits than perhaps any other. Varying from 60 to 80 feet in height, it has a narrowly ovate head, formed of short, corky-winged branches and masses of star-shaped, lustrous leaves that color to intense crimson-scarlet in fall. Even in winter its odd, swinging seed-balls and cork-winged branches make it picturesque and interesting. The name is from its fragrant sap and leaves. We have no finer tree for street and park planting, or for specimens.
Price. 4 to 6 feet, 55c each, 10 for $5.00.

MAGNOLIA ACUMINATA. Cucumber Magnolia. Pyramidal tree attaining 60 to 90 feet in height. Flowers yellow, tinted with bluish purple; fruit when green resembles the cucumber, hence the name. Very hardy.
Price. 5 to 6 feet, 50c each, 10 for $4.00.

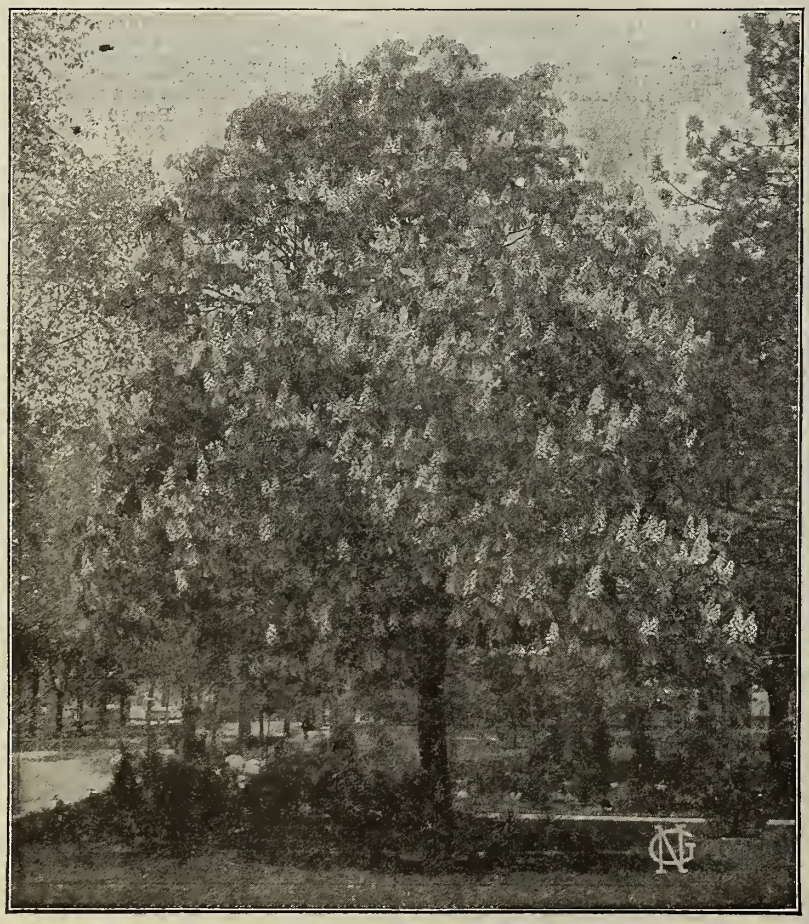
MAGNOLIA SOULANGEANA. Small tree, or large shrub, growing very bushy. One of the hardiest and most popular of the foreign Magnolias. Blooms here in my garden in April. Flowers are large, 3 to 5 inches across, waxy, pure white inside, outside petals pink, or rosy-violet. Very fragrant. Foliage very dense, large, dark green and glossy. In my garden I tie them up with long straw, or slough grass, over winter, and in this way they come through in fine shape, and always bloom well. South from here this is not necessary.
Price: 3-4 ft. bushy plants, with flower buds and ball of dirt, each $1.50, 2 for $2.75. These will bloom after transplanting in the spring.

MAPLE, SOFT OR SILVER. (Acer Dasycarpum.) A native tree of very rapid growth. Hardy everywhere and easily transplanted. Leaves are finely cut, bright green on upper and whitish on lower side. They are not as silvery-white, though, as those of the Silver Poplar, and people often get those trees mixed, especially as the leaves of the Silver Poplar resemble Maple leaves. If you wish a tree with leaves of silver white on the lower side, order a Silver or a Bolena Poplar. When you order a Silver Maple, you will get what is mostly called a Soft Maple. When quick effect or shade is desired, the Soft Maple is one of the best trees to plant. Largely used for street or park planting. **Price of Soft Maple.**

	Per 1	Per 10	Per 100
3 to 4 feet, well pruned trees	$0.10	$0.60	$4.00
4 to 5 feet, well pruned trees	.12	.85	6.00
5 to 6 feet, well pruned trees	.15	1.35	10.00
6 to 8 feet, well pruned trees	.30	2.75	25.00
8 to 10 feet, well pruned trees	.60	5.00	45.00

10 to 12 ft., nice well pruned trees, $1.00 each.

Hard or Sugar Maple



Horse Chestnut in Bloom (Page 29)

MAPLE, Norway. (Acer Platanoides.) One of the most beautiful and desirable trees known. Of large sizes, perfect outline, with deep green foliage, which turns a pale yellow in autumn. Desirable trees for street, park and garden. **Price.** 4-5 ft., straight whips, not branched, 20c each, 10 for $1.90, 100 for $18.00; 5 to 6 ft. trees, 40c each, 10 for $3.50; 6 to 8 ft. trees, 55c each, 10 for $4.50; 8 to 10 ft. trees, 75c each, 10 for $7.00.

MAPLE, Sugar or Rock. (Acer Saccharum.) A popular American tree of pyramidal form. The foliage is large and handsome and of rich, pleasing green, turning to orange yellow and red in autumn. Its upright habit of growth, dense shade and adaptability to different soils has rendered it one of the most extensively used. Valuable for sugar and timber. **Price:** 5 to 6 ft. trees, 45c each, 10 for $4.00, 6 to 8 ft., 75c each, 10 for $7.00; 8 to 10 ft., $1.00 each.

JAPANESE BLOOD RED MAPLE. (Acer Astro Purpurea.) Bushy growing Maple, with very delicate leaves of a deep blood-red color. Singly or in group they give a beautiful effect. Should be planted in every garden or lawn. Not very hardy, but I keep them in perfect shape in severe winters by tying with long straw. **Price:** 2-2½ ft., bushy plants, with ball of dirt, $1.50 each, 2 for $2.80.

EUROPEAN LINDEN. (Tilia Europea.) A very pyramidal tree with large leaves and fragrant flowers. A valuable tree for street and lawn planting, developing into beautiful specimens. Extensively planted for ornamental purposes and for bee culture. Rapid growth, not particular as to soil, and perfectly hardy. **Price:** 6 to 8 ft. trees, each 65c, 10 for $6.00; 5 to 6 ft., each 45c, 10 for $4.00; 4 to 5 ft., each 35c, 10 for $3.00.

AMERICAN LINDEN. Basswood. (Tilia Americana.) Similar to the German Linden. Has large leaves, but does not make as good a crown as the European Linden. Both are excellent street trees. **Price:** 6 to 8 ft. trees, each 55c, 10 for $5.00, 5 to 6 ft. trees, each 40c, 10 for $3.50.

ORNAMENTAL AND SHADE TREES—(Continued)

European Linden (See page 30)

CAROLINA POPLAR. (Populus Carolinensis.) One of the most rapid growing trees, with large, handsome, glossy, deep green leaves. Succeeds everywhere; especially adapted to cities, where it makes unusually fast growth and resists smoke and gas. Pyramidal in form, making a spreading head and dense shade when properly trimmed. It is unexcelled for quick growth and effect; makes a splendid windbreak or screen. It is used in larger numbers for street planting than any other tree. A good tree for northern Nebraska.

Price:	1	10	100	1000
2 to 3 ft., whips	$0.03	$0.25	$ 2.00	$18.00
3 to 4 ft., whips	.05	.40	3.00	27.00
4 to 5 ft., whips	.07	.60	5.00	45.00
5 to 6 ft., branched	.10	.90	8.00	.....
6 to 8 ft., branched	.20	1.75	15.00	.....
8 to 10 ft., branched	.40	3.50	28.00	.....
10 to 12 ft., branched	.75	7.00	.....	.....

NORWAY POPLAR. Sudden Saw Log. (Populus.) A very distinct tree in habit of growing and making a straight, upright, somewhat pyramidal head. The foliage is large, thickly borne, bright and glossy. It grows rapidly in almost every soil, and yet it possesses strength and durability which most of the poplars lack. For city planting it is superior to most of the other poplars as it withstands the effect of smoke and dust much better. These same elements make the Norway Poplar a superior tree for planting in the shelter of forest plantations. It is claimed that this tree will mature a log 2 feet in diameter in 16 years, making quicker growth than any other tree adapted for the Middle or Northern states.

Price of Norway Poplar:	1	10	100
2- 3 ft., whips	$0.05	$0.40	$ 3.00
3- 4 ft., whips	.07	.50	4.00
4- 5 ft., partly branched	.10	.70	6.00
5- 6 ft., branched	.13	1.00	8.00
6- 8 ft., branched	.25	2.30	18.00
8-10 ft., branched	.45	4.00	35.00
10-12 ft., branched	.80	7.50	.....

VOLGA POPLAR. A new, hardy poplar from Russia. The tree is an upright grower, similar to the Lombard Poplar. The branches are much stronger, however, and the leaves are larger, of better form and deeper green. Perfectly hardy, of strong, vigorous growth. A tree of this variety transplanted on my home grounds last spring made new shoots five feet in length. Perfectly hardy, even in Minnesota or South Dakota.

Price:	Per 1	Per 10	Per 100
4- 5 ft., mostly whips	$0.12	$1.00	$ 9.00
5- 6 ft., mostly branched	.16	1.50	14.00
6- 8 ft., well branched	.20	2.70	24.00
8-10 ft., well branched	.40	3.70	.....

GOLDEN POPLAR. (Populus Aurea.) Fine golden foliage, retaining its brilliancy throughout the season. The foliage will stay a golden color, while the Golden Elm will turn green in a few years. To produce a fine color effect among a cluster of green leaved trees, the Golden Poplar is the best tree we know of. A vigorous grower and hardy everywhere. **Price:** 4-5 ft., 20c each, 10 for $1.70; 5-6 ft., 30c each, 10 for $2.70.

LOMBARDY, OR ITALIAN POPLAR. Of obelisk form, growing rapidly to 100 feet. Forms striking lawn groups; is much used at Newport for tall screen hedges. Always makes a striking feature in any landscape. I do not recommend this poplar for Nebraska. It can't stand our climate well. The Volga answers the same purpose.

Price:	Per 1	Per 10	Per 100
3-4 ft., whips, not branched	$0.10	$0.80	$ 7.00
5-7 ft., branched	.20	1.80	16.00
7-9 ft., branched	.35	3.30	30.00

SILVER POPLAR. (Populus Alba.) Quick growing tree, with spreading outline; leaves dark, glossy green above and silvery white below. Hardy everywhere. Of great value in farm and private forestry, much more so than the Soft or Silver Maple. It is perfectly hardy anywhere and is especially largely planted in Wyoming. An ornament to any lawn.

Price:	Per 1	Per 10	Per 100
3-4 feet, nice trees	$0.06	$0.50	$ 4.50
4-5 feet, nice trees	.09	.80	7.50
5-6 feet, nice trees	.12	1.10	10.00
6-8 feet, nice trees	.20	1.80	.....
8-10 feet, nice trees	.40	3.70	.....

BOLENA POPLAR. Somewhat similar to Silver Poplar. The sharp cut leaves are pure white on the lower and a dark green on the upper side. The tree grows very erect and symmetrical. Never makes sprouts from roots. Hardy everywhere. **Price:** 4-5 ft., 25c each, 10 for $2.20; 5-6 ft., 30c each, 10 for $2.70.

ORIENTAL SYCAMORE OR PLANE TREE. (Platanus Orientalis.) Rapid grower, broad topped with large leaves, producing the finest headed tree in our list. Is especially adapted for street planting in smoky cities. Entirely free from fungus, worms and insects. **Price:** 4-5 ft., 30c each, 10 for $2.80; 5-6 ft., 45c each, 10 for $4.00.

Volga Poplar alternating with Scotch Pine; part of driveway in my garden. Volga Poplars were planted spring, 1913.

ORNAMENTAL AND SHADE TREES
(Continued)

SYCAMORE, AMERICAN. (Platanus.) Noble, upright growing tree, with spacious head and large deep green foliage. A free grower and very desirable for park or street planting. It is not hardy though, north of here, and I cannot recommend it even for the middle of Nebraska.

Price: 6 to 8 feet, each 40c, 10 for $3.50; 5 to 6 feet, each 25c, 10 for $2.20, 100 for $20.00.

PIN OAK. (Quercus Palustris.) An upright, vigorous growing variety, forming a stately, round topped tree, with long, slightly pendulous branches. The dark green, deeply cut foliage turns to brilliant yellow and crimson shades in autumn, forming one of the best of our fall colored trees. Transplants the easiest of all oaks, and is one of our very finest lawn trees and a desirable avenue tree. Is hardy here in Nebraska; grows fast; shoots of 2 to 3 feet are not uncommon here, and is never attacked by borers or other insects.

Price: 5-6 feet, nice well-branched trees, 65c each, 10 for $6.00.

SCOTCH GOLDEN CHAIN. (Laburnum.) A very ornamental tree of irregular shape, with smooth, shining foliage. Its bright yellow pea-shaped blossoms are produced in long clusters. A very beautiful and hardy tree for lawns, which deserves to be more generally planted.

Price: 3 to 4 feet trees, 50c each, 10 for $4.50.

RED BUD. Judas Tree. (Cercis Canadensis.) A very ornamental native tree of medium size, with perfect heart-shaped leaves and hardy even in Canada. Blooms early in the spring, before the leaves appear, covering the branches with small reddish-purple flowers.

Price: 5 to 6 feet trees, 30c each, 10 for $2.75; 4 to 5 feet, 25c each, 10 for $2.25.

RUSSIAN OLIVE. (Elaeagnus.) A beautiful lawn tree, with spreading top; nearly black shining bark, and silvery-white long, narrow foliage. The small yellow blossoms have a wonderful appearance. The exquisite perfumes are carried long distances in the air. Fine if planted in a group with green leaved trees, among shrubbery, or as a lawn tree. Hardy as far north as Canada. It deserves a place in every park or garden. Should be much more largely planted. Can also be used as a hedge or screen, as it stands pruning or shearing well. See under plants for hedges and screens.

Oriental Sycamore (Page 31)

Price of Russian Olive:	Per 1	Per 10	Per 100
3 to 4 feet, two-year seedlings	$0.08	$0.70	$ 6.00
4 to 5 feet, nice trees	.30	2.80	25.00
5 to 6 feet, nice trees	.35	3.20	.....

GOLDEN WILLOW. (Salix Aurea.) An exceedingly showy and pretty variety, with bark of bright golden color, making it very conspicuous during the winter. The catkins also are of yellow color. A handsome tree at all seasons.

Price of Golden Willow:	Per 1	Per 10	Per 100
3 to 4 feet, mostly whips	$0.05	$0.40	$3.00
4 to 5 feet, partly branched	.08	.70	5.00
5 to 6 feet, well branched	.12	1.00	9.00
6 to 8 feet, well branched	.25	2.20	.....

Golden Willow

LAUREL-LEAVED WILLOW. A beautiful, distinct medium-sized tree, 8 to 20 feet high, with shining laurel-like leaves that make it very conspicuous in sunshine. Can be clipped into form like a bay tree; has bright green bark; is beautiful the year round. The tree does well in Nebraska; stood our severe winter two years ago without being injured. **Price:** 4-5 feet, 15c each; 10 for $1.25; 100 for $10.00. 5-6 feet, 20c each; 10 for $1.80; 100 for $15.00.

PAUL'S DOUBLE FLOWERING THORN. (Crataegus.) A beautiful small tree with spreading, spiny branches. Very hardy and will thrive everywhere, even in dry soil. The pretty flowers are bright scarlet, very showy and double. Should be planted freely. **Price:** 3 to 4 ft., each 40c, 10 for $3.50.

SIBERIAN PEA TREE. (Caragana.) An extremely hardy shrub or low tree, originally from Siberia. Is valuable for an ornamental tree, especially in Northern states. The branches have small, sharp thorns. It bears beautiful yellow flowers; its seeds are said to be valuable for poultry and culinary uses. Its leaves furnish a blue dye, and they resemble the leaves of the Locust somewhat. Will grow anywhere, and we especially recommend it for the North, as it is perfectly hardy, even in Canada. Price for Siberian Pea Tree, small plants, suitable for hedges, see page 36. **Price:** 3-5 ft. trees, 35c each, 10 for $3.00, 100 for $27.50.

WEEPING DECIDUOUS TREES

The trees form objects of great beauty when planted as single specimens on lawns, in the front yard, and especially when used for cemetery decorations. Also of great value for covering arbors. All are invaluable for the variety they add to landscape and garden. Our list embraces the best varieties.

TEAS' WEEPING MULBERRY. (Morus.) The most graceful hardy weeping tree in existence. Forms a perfect umbrella-shaped head, with long, slender, willowy branches, drooping to the ground. It has beautiful foliage, is wonderfully vigorous and healthy; is one of the hardiest, enduring the cold of the North and the heat of the South; safe and easy to transplant; admirably adapted for ornamental, small or large grounds or for cemetery planting. Fine, strong trees, grafted 5 to 6 feet high. **Price,** $1.25 each.

Weeping Mulberry

WEEPING MOUNTAIN ASH. (Sorbus.) One of the best known and most popular weeping trees. It is of easy culture, great hardiness and thrives in all soils. Its straggling branches, twisting and turning in every direction, with no training whatever, make a most picturesque and novel sight. Covered during the autumn with bright red berries. It is the best tree for the North of the extremely pendulous type. A splendid lawn tree. Grafted 6 feet high. **Price,** 80c each.

CUT-LEAF WEEPING BIRCH. (Betula.) This magnificent tree is, without question, the most popular and the most planted of all pendulous or so-called weeping trees. It is a tall, slender tree, yet with vigorous growth. It has an erect central trunk, somewhat pyramidal in shape, with graceful, drooping branches and glistening silvery white bark. The foliage is fine, thin, deeply and delicately cut, and of a beautiful shade of green. The whole tree presents a soft and delightful effect not found in any other hardy ornamental tree. **Price,** 5 to 6 feet trees, 80c each; 6 to 8 feet trees, $1.00 each.

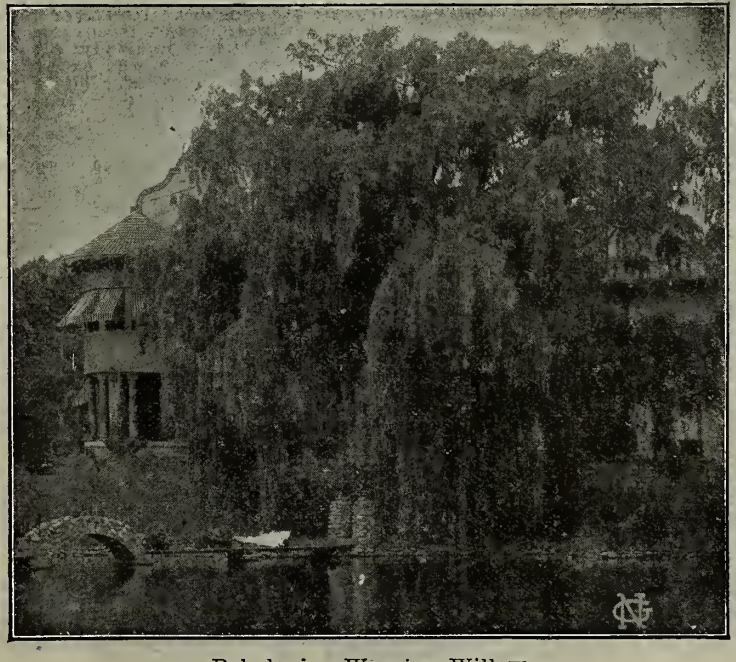
CAMPERDOWN WEEPING ELM. Its vigorous branches, which have a uniform habit, over-lap so regularly that a compact, roof-like head is formed. Leaves are large, and a rich, glossy dark green. Tree a strong, vigorous grower. One of the best weeping trees. It can be trained to form an arbor if desired. The peculiar characteristics of this tree make it very popular and valuable for the lawn. Hardy everywhere and not particular as to soil. With age the weeping branches will eventually sweep the ground, and enclose a shady place as effectively as an arbor. This tree thrives splendidly in our state. Grafted 6 feet nigh. **Price,** $1.25 each.

AMERICAN PURPLE WEEPING WILLOW. (Salix.) Also called Fountain Willow. An American species of dwarf habit with slender, graceful branches. Forms a fine round head, sweeping outward in fountain shape. Makes one of the most ornamental of small weeping trees. Very hardy and of quick growth. Grafted. **Price,** 4 to 6 feet trees, 75c each.

BABYLONIAN WEEPING WILLOW. Napoleon's Widow. (Salix.) A well known tree of pendulous or weeping habit, with long, slender olive green branches. Forms a large tree of very graceful habit. Its fresh, bright green tint and long, wavy branches make it very attractive. Very hardy, of quick growth, adapted to a variety of soils, easily transplanted, used to great advantage in landscape effects. Excellent for parks, etc. The accompanying illustration shows what beautiful landscape effects may be obtained with this tree. These trees are not grafted.

Price, 4 to 5 feet trees, 20c each, 10 for $1.50; 5 to 6 feet trees, 25c each, 10 for $2.00.

THURLOW WEEPING WILLOW. This willow, like the Babylonica, is not grafted or budded; its nature is weeping. Tree vigorous, fast grower, very hardy, and a graceful weeper. The branches are very slender, leaves long, of bright green, with a lighter shade of green on the lower side. A 5 to 6 foot tree, planted in my little park, spring 1913, was (October 15, 1913), two inches in caliper, and 11 feet high, with branches drooping to the ground. These trees are not grafted. **Price:** 6 to 8 feet trees, 35c each, 10 for $3.20.



Babylonian Weeping Willow

Hulett, Wyo., Apr. 17, 1914.
My goods arrived today and opened up in fine shape. Thank you very much for the extras. This was my first order from your house, and am highly pleased with your prompt and courteous treatment. Will gladly recommend you to my friends. Wishing you continued success, I remain,
E. C. ENGLE.

Stonington, Colo., April 18, 1914.
I received the trees all right and every one looks as if it will grow, and am well pleased with them. The trees we got of you two years ago done well, and also the grapes and the other vines.
Thanking you for your well treatment.
CARL VOCKE.

Carson City, Nev., April 20, 1914.
Your letter of the 17th at hand and my last order was promptly received and the four grape vines are commencing to bud out. Yours truly, OTTO W. DRESSER,
722 E. Caroline St.

Moorrcoft, Wyo., April 20th, 1914.
The nursery stock reached us a few days ago. Many thanks for the splendid lilac, could not have pleased me more
MRS. C. K. STEWART.

Denver, Colo., April 14, 1914.
The additional trees arrived O. K. and were very nice. We appreciated your consideration in the matter, which makes everything satisfactory.
LIEBHARDT BROS.

EVERGREENS OR CONIFERS

Hardy coniferous Evergreens are particularly valuable for use in all classes of ornamental planting in as much as they preserve their graceful foliage and rich coloring throughout the summer and winter, adding much to the charm of the landscape during that period when deciduous trees and shrubs are without foliage. The following Evergreens are very hardy and particularly adapted to our Western climate. Evergreens cannot be shipped before April 1st, and should always go by express. For short distance shipments we can pack them in boxes with other trees and send by freight, but on long distance shipments, it is best to send them by express or parcel post.

ARBAR VITAE, AMERICAN. (Thuya.) A well known Evergreen of great value; it forms an urpight, conical tree of medium size and is, all things considered, the finest Evergreen for screens, being hardy, and easily transplanted. It grows rapidly and with little care, and soon forms a beautiful hedge, very dense and perfectly impervious to the sight. Are widely planted throughout the United States.

Price of Arbor Vitae:	Per 1	By Express Per 10	Per 100	Per 1000
5 to 8 inch seedlings	$0.05	$0.15	$ 1.30	$12.00
12 to 18 inch, transplanted	.25	2.20	18.00	.....
18 to 24 inch, transplanted	.35	3.20	28.00	.....
2 to 3 feet, transplanted	.40	3.70	34.00	.....

CHINESE ARBOR VITAE. (Thuya Orientalis.) Similar to the American, but it is claimed to be better adapted for the Middle West. The State Agricultural College, Manhattan, Kansas, recommends it very highly for planting in Kansas.

Price: 2 to 5 inch seedlings 5c each, 10 for 30c, 100 for $2.00, 1,000 for $12.00.

BALSAM FIR. (Abies Balsamea.) Forms a slender spiral and very symmetrical pyramidal tree. It is one of the most rapid growing trees in the conifer group and is extremely hardy. Foliage very dark green, needles soft, short, have a pleasant, aromatic fragrance. For lawn planting, either in groups, or as a specimen, it lends itself to a variety of uses.

Price of Balsam Fir:	Per 1	By Express Per 10	Per 100	Per 1000
4 to 8 in. seedlings	$0.05	$0.40	$ 2.50	$20.00
12 to 18 in., transplanted	.35	3.00	25.00	.....
2 to 3 ft., transplanted	.70	6.50	.....	.....

DOUGLAS FIR. (Abies Douglasii.) A beautiful, rapid growing tree, with nice, dark green foliage. It is a splendid tree for lawn planting, and is used in all work where a particularly choice tree is required.

Price of Douglas Fir:	Per 1	By Express Per 10	Per 100	Per 1000
4 to 8 in. seedlings	$0.05	$0.40	$ 2.50	$20.00
6 to 12 in., transplanted	.10	.90	8.00	65.00
12 to 18 in., transplanted	.40	3.50	30.00	.....
1½ to 2 ft., transplanted	.75	7.00	.....	.....

Blue Spruce

BLUE SPRUCE. (Picea Pungens.) The Blue Spruce is the most beautiful of all conifers. Its silver foliage, glistening in the sunlight, makes it surpass in beauty any other Evergreen. It is very hardy; a good grower, will withstand severe winters and excessive moisture, and is very easily transplanted. The Blue Spruce has no equal for lawn and cemetery use.

Price of Blue Spruce:	Per 1	By Express Per 10	Per 100	Per 1000
4 to 6 in., as they run in nursery row	$0.05	$0.40	$ 3.00	$25.00
10 to 12 in., transplanted, not all blue	.30	2.80	25.00	.....
12 to 15 in., Koster's perfectly blue, grafted and with ball of dirt, transplanted	1.50	14.00	.....	.....
2½ ft., Koster's perfectly blue, grafted, with ball of dirt, twice transpl.	4.00	35.00	.....	.....

BLACK HILL SPRUCE. (Picea Canadensis.) A very hardy Spruce with dark green foliage. Grows somewhat slower than the Norway Spruce, but is much hardier. A fine lawn tree.

Price:	Per 1	By Express Per 10	Per 100	Per 1000
3 to 6 in. seedlings	$0.05	$0.35	$ 3.00	$20.00
12 to 18 in., transplanted	.30	2.80	25.00	.....
2 to 3 ft., transplanted	1.00	.....	.....	.....

NORWAY SPRUCE. (Picea Excelsa.) A lofty tree, of perfect pyramidal form, remarkably elegant and rich, and as it gets age, has fine pendulous branches; it is exceedingly picturesque and beautiful. One of the best evergreen hedges and windbreaks.

Price Norway Spruce:	Per 1	By Express Per 10	Per 100	Per 1000
4 to 8 in. seedlings	$0.05	$0.30	$ 2.00	$12.00
8 to 10 in. seedlings	.06	.50	3.00	18.00
12 to 18 in., transplanted	.15	1.30	12.00	90.00
18 to 24 in., transplanted	.25	2.00	18.00	.....
2 to 3 ft., transplanted	.30	2.80	25.00	.....

EVERGREENS OR CONIFERS
(Continued)

AUSTRIAN PINE. (Pinus Austriaca.) The Austrian or Black Pine is a stout branched tree of rapid growth; branches rather long in proportion to the trunk than most pines. The elegant whorls of branches are densely clothed with deep, blackish green foliage. It is one of the best pines for forming screens. Perfectly hardy and thrives well in dry soil and upon high, bleak hills.

Price of Austrian Pine:	Per 1	By Express Per 10	Per 100	Per 1000
6-10 inch seedlings	$0.05	$0.35	$ 2.50	$15.00
12-18 inch, transplanted	.30	2.80	22.00	.....
18-24 inch, transplanted	.35	3.20	30.00	.....
2- 3 feet, transplanted	.40	3.70	35.00	.....
4- 5 feet, transplanted	1.20	.....	.....	.....

SCOTCH PINE. (Pinus Sylvestris.) A dense growing, broad, pyramidal tree with stout, erect shoots and pleasing silver-green foliage. One of the best ornamental forest trees. Grows luxuriantly in most soils.

	Per 1	By Express Per 10	Per 100	Per 1000
6-12 inch seedlings	$0.05	$0.30	$ 2.00	$12.00
12-18 inch, transplanted	.25	2.00	12.00	.....
18-24 inch, transplanted	.30	2.50	20.00	.....
2- 3 feet, transplanted	.35	3.20	28.00	.....
4- 5 feet, transplanted	1.25	.....	.....	.....
5- 6 feet, transplanted	2.00	.....	.....	.....

WHITE PINE. (P. Strobus.) The most ornamental of all our native Pines. A tall and very beautiful tree with regular whorls of horizontal branches, forming a pyramidal crown. Foliage light, delicate silvery green; will grow in the poorest of sandy soils; a long-lived tree and rapid grower. The valuable pine with a wide range of usefulness and adaptability, both for commercial and ornamental purposes.

Price of White Pine:	Per 1	By Express Per 10	Per 100	Per 1000
4- 8 inch seedlings	$0.05	$0.30	$ 2.00	$14.00
12-18 inch, transplanted	.25	2.20	18.00	.....
2- 3 feet, transplanted	.50	4.50	40.00	.....

JACK PINE. (Pinus Divaricata.) The most northern of all American Pines. Extremely hardy and vigorous, withstanding long droughts and hot, dry winds. Of rather irregular growth. Foliage bright green; needles short and stiff.

Price of Jack Pine:	Per 1	By Express Per 10	Per 100	Per 1000
6-12 inch seedlings	$0.05	$0.30	$ 1.60	$12.00
12-24 inch seedlings	.07	.50	3.00	20.00
18-24 inch, transplanted	.20	1.80	17.00	.....
2- 3 feet, transplanted	.30	2.80	.....	.....
4- 6 feet, transplanted	1.25	11.00	.....	.....

Scotch Pine

RED CEDAR. (Juniperus.) Our Cedars are all raised from the seed gathered on the Platte River, in Nebraska. They are very pretty, of dark green color. Being a native of Nebraska, they are exceedingly hardy, and will stand any amount of dry weather. The very best for windbreaks.

Price of Red Cedar:	Per 1	By Express Per 10	Per 100
6- 8 inch seedlings	$0.10	$0.90	$ 8.00
10-18 inch, translanted	.20	1.90	18.00
18-24 inch, transplanted	.40	3.80	36.00
2- 3 feet, transplanted	.70	6.00	.....

IRISH JUNIPER. (Juniperus.) Forms a dense, close, columnar tree, 15 to 20 feet in height. The branches are regular, very compact and densely covered with rich, deep green foliage. A pretty little tree and very useful in formal work. Succeeds best in well drained soils.

Price of Irish Juniper:	Per 1	By Express Per 10	Per 100
8 to 10 inch, transplanted	$0.20	$1.80	$16.00
12 to 18 inch, transplanted	.40	3.80	.....
2- 3 feet, transplanted, with ball of dirt	.80	.....	.....

EUROPEAN LARCH. (Larix Europea.) An excellent, upright, rapid growing, pyramidal shaped tree, with drooping, slender branches; foliage light green, soft and graceful in the spring, turning to a golden yellow in the autumn before falling. Unlike most conifers, it is deciduous after the first year; is perfectly hardy and thrives in nearly all situations. Makes a very handsome specimen for ornamental planting and very valuable for timber. The cones are small and grow upright on the branches.

Price of European Larch:	Per 1	By Express Per 10	Per 100
12 to 18 inch seedlings	$0.10	$0.75	$6.00
2 to 3 feet, transplanted	.25	2.20	.....
3 to 5 feet, transplanted	.75	7.00	.....

Norway Spruce (Page 34)

Haigler, Nebr., June, 3, 1914.

This is the means to let you know that so far we are well pleased with the $10.00 shipment of trees and roses received from you. Most of the trees seem to be growing, some of the small cherry trees blossomed. Pinched the blooms off, thought it would be better to not have them bear while so small.

MRS. M. P. SASS.

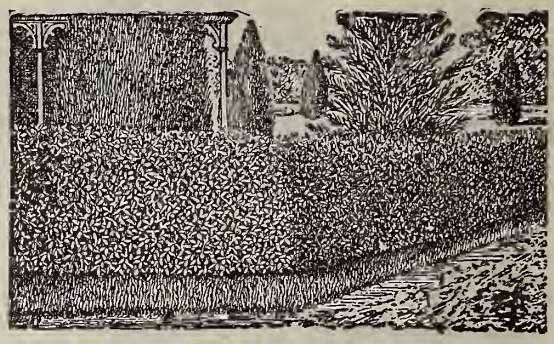
Salem, S. Dak., June 8, 1914.

I must thank you for sending me such good Nursery stock this spring. I am very grateful to you people for sending such well-rooted live trees. I bought a few trees from a South Dakota nursery at the same time. Big Tops, no roots. All were planted same as yours, exactly three-fourths of them died, as trees without roots cannot live. I also got some small fruits from an Iowa firm, including Rose bushes; they were dead upon arrival, planted with care, without results. You may send me your next catalogue when issued and expect all of my orders next time.

E. Y. ROWLAND.

PLANTS FOR HEDGES AND SCREENS

A hedge to be pretty and effective, must be very dense and well pruned. It is best to plant one year seedlings. The thorny varieties that are used to turn horses, cattle and hogs should be planted 8 inches apart, which will make three for every two feet. The ornamental varieties may be planted 12 to 18 inches apart. Cut plants back the first year two or three inches, second year 10 to 15 inches, the third year to 24 inches.



California Privet

THORNY VARIETIES

OSAGE ORANGE. (Bois d'Arc.) A valuable tree for its timber, posts of this wood being almost indestructible. It should be planted exclusively south of here. It is not hardy north of Nerbaska. Stands pruning well and makes a beautiful and effective hedge.

Price: 8 to 12 inch, 20c per 100, $1.75 per 1000; 12 to 18 inch, 25c per 100, $2.20 per 1000.

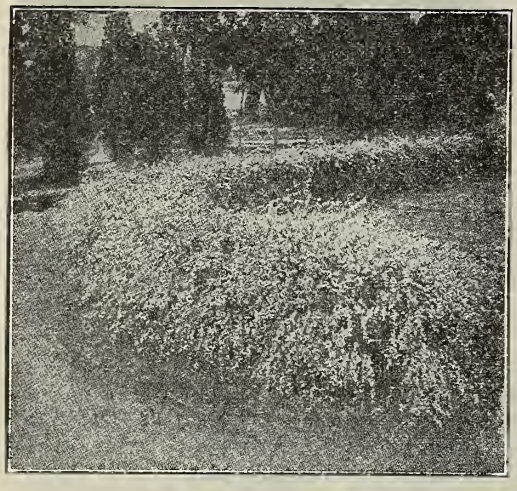
HONEY LOCUST. See description on page 29. Has very long thorns and turns cattle and hogs well.

Price: 4 to 8 inch, 15c per 100, $1.40 per 1000; 8 to 12 inch, 25c per 100, $2.00 per 1000; 12 to 18 inch, 35c per 100, $3.20 per 1000.

COMMON BUCKTHORN. (Crataegus Oxyacantha.) A hardy shrub, extensively used in England and the continent for live hedges. Is covered with pretty white blossoms in the spring and red berries in the fall. The Buckthorn does well in Nebraska and is perfectly hardy.

Price: For 12 to 18-inch plants, 5c each, 40c per 10, $3.00 per 100, $25.00 per 1000.

BARBERRY, THUNBERGI. This variety also makes a very good hedge, but will not grow as tall as the Purple Leaf. See full description, page 37. **Price,** 12 to 18 inches, $10.00 per 100.



Spirea Van Houtti

BARBERRY, PURPLE LEAVED. (See description page 37.) It is perfectly hardy almost anywhere, and makes a dense, showy hedge. Leaves stay on very late in the fall. **Price,** 15 to 18 inch plants, just right for a hedge, $10.00 per 100.

ORNAMENTAL VARIETIES WITHOUT THORNS

CALIFORNIA PRIVET. (Ligustrum.) No plant has come more rapidly and deservedly into public favor. Is of vigorous growth, has glossy, dark green foliage, keeping its color until after Christmas. Almost evergreen. Should not be planted where the thermometer goes much below zero. Not hardy in Nebraska.

Price: For 18 to 24 inch plants, 5c each, 40c per 10, $3.00 per 100; 2 to 3 feet, 10c each, 80c per 10, $5.00 per 100.

AMOOR RIVER PRIVET. Hardy. Foliage glossy green and holds its color well almost the entire year. Will stand shearing to any extent. Where the California Privet is not hardy, the Amoor Privet should be planted. In my garden I have an Amoor Privet hedge 300 feet long, and it came through the last three winters perfectly sound and bloomed fine, while California Privet froze clear to the ground. I recommend this Privet for all the states north of Missouri. It costs a little more, but will stand your climate and will be perfectly satisfactory.

Price: 12 to 18 inch plants, 7c each, 10 for 65c, 100 for $5.00, 1000 for $47.00; 18 to 24 inch plants, 10c each, 10 for 80c, 100 for $6.50, 1000 for $65.00.

RUSSIAN OLIVE. (Full description see page 32.) It is well adapted for a hedge, and is perfectly hardy anywhere. Should be well pruned every year. I know this hedge will please you

Price: 4 to 8 inch seedlings, $1.50 per 100, $12.00 per 1000; 8 to 12 inch seedlings, $2.00 per 100, $18.00 per 1000.

RUSSIAN MULBERRY. Is well adapted for hedges or screens. Must be pruned often. See full description and price list on pages 25 and 26.

LILACS. These make a very attractive hedge. See description on page 41. Plants about 12 to 15 inches high, $10.00 per 100.

SPIREA VAN HOUTTI. This is the best plant for an ornamental hedge that I know of. See description on page 41. Plants for hedges should be set 10 inches apart; 12 inch plants, suitable for hedges, $12.00 per 100.

SPIREA THUNBERGII. Makes very dense and pretty hedge fence, not over three feet high. See description on page 41.

Price: 8 to 12 inches, $5.00 per 100. For larger sizes see page 41.

SIBERIAN PEA TREE. (Caragana.) Full description on page 32. Is perfectly hardy, even in Canada, and especially adapted for an ornamental hedge. Stands shearing well and grows very dense. Never looks coarse and, on account of its hardiness, can be planted on any place wherever desired.

Price, 12 to 18 inch seedlings, 10c each; 10 for 65c; 100 for $5.00.

Prairie du Chien, Wis., June 30, 1914.

The hedge that I planted from your stock in May, 1913, has grown so rapidly that I want to trim it back. Would it do to trim it now? It is the Amoor River Privet, and just went out of bloom. The white flowers gave it a very attractive appearance. My hedge is the marvel of this town. Not a single one died. Kindly advise me as to the trimming and greatly oblige.

P. L. SCANLAN, M. D.

Junction City, Kan., Feb. 27, 1914.

Seeds received in fine condition. Much obliged for filling the order so promptly. H.SCHMOLDT.

Amoor River Privet

Grown here in Beatrice, stood 26 degrees below zero winter 1911 to 1912, without being injured in any way, whereas most of California Privet in Nebraska froze back to the ground.

PARCEL POST: For all trees and plants that can go by parcel post, see prices on pages 64, 65, 66 and 67.

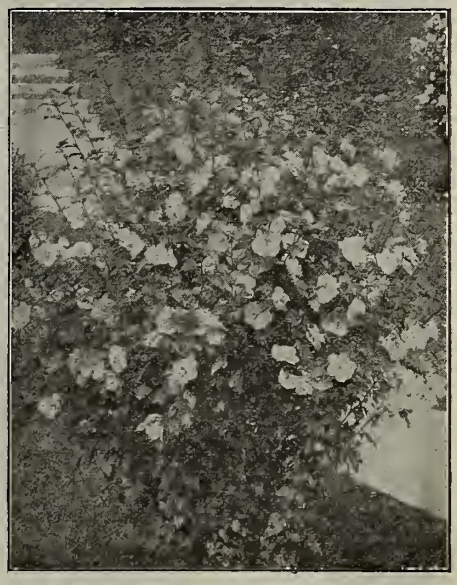
ORNAMENTAL SHRUBS

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and home-like appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty year after year. Our price is for strong, healthy, field-grown plants, two years old and 2 to 3 feet high, unless otherwise mentioned. If these shrubs are wanted in large quantities, please write for prices.

MOSS ACACIA. (Robinia Hispida.) An elegant shrub, 5 to 6 feet tall, with light green pinnate leaves and long, graceful clusters of pea-shaped, rose-colored flowers in June, often throughout the summer. The branches are covered with a moss-like growth, similar to Moss Roses. The shrub is hardy here, is beautiful when in full bloom and should be in every garden.

Price: Strong, 2-3 feet, 25c each, 10 for $2.30.

ALTHEA. (Rose of Sharon.) Unsurpassed by any hardy shrub for freedom of bloom. From midsummer until frost, when few other shrubs are in bloom, the Althea blossoms freely. Grows 4 to 6 feet tall. They have rich foliage and bear large flowers. Of the easiest culture and very hardy, thriving splendidly here in the West. As far north as Beatrice Altheas will freeze to the ground in very severe winters, but will sprout up again in the spring, will not bloom, though, the next summer. To avoid this, I cut all my Altheas in my garden back to about ten inches in the fall and cover with some coarse manure or straw. In this way they come through the winter in fine shape and bloom well the next summer. I have the following varieties:



Althea

Boule de Feu. Is very double, deep red.

Ardens. The familiar double purplish-blue.

Jeanne de Arc. Double pure white.

Speciosa. Double rosy-pink.

Duc de Brabant. Dark rose, large double flowers.

Price: 2 to 3 feet, 20c each, 10 for $1.75.

Azalea Mollis

TREE ALTHEA. We can furnish the above varieties in tree form. Nice, stocky specimens, 4 to 5 feet high.

Price, 40c each; 10 for $3.50. Too large to go by mail.

AZALEA MOLLIS. Showy, low-growing, hardy plants, used extensively in parks and public grounds. The brilliancy of their yellow, orange and carmine flowers is not approached by any other hardy shrub. This shrub blooms in splendid showy clusters early in the spring. Should be protected with a layer of straw during severe weather. Thrives best in a moist, well drained soil, either in full sun or partial shade. Plants are about 1½ feet high, with numerous buds. Too large to go by mail. **Price,** 65c each; 10 for $6.00.

BARBERRY, PURPLE LEAVED. Beautiful shrub, 4 to 6 ft. high, very rich in color of foliage, and especially ornamental in autumn and winter. Leaves dark purple, followed by pretty red berries. Valuable as a hedge plant and very unique and a striking contrast to the greenery of the other shrubs. **Price,** 2 to 3 feet, 20c each; 10 for $1.75. Light plants, 10 to 18 inches, suitable for hedges, 12c each; 10 for $1.10; 100 for $10.00.

BARBERRY THUNBERGI. Japanese Barberry. (Berberis.) See illustration, page 38. Invaluable little shrub that fits in with almost every planting. Grows about anywhere, handsome foliage of bright green, oval leaves, that turn to most brilliant shades of orange and red in the fall. Slender, graceful branches, protected by thorns, are lined with little scarlet berries of great attractiveness from early autumn well into winter. Very valuable for a hedge.

Price: 2 feet, 20c each, 10 for $1.80; light plants, 12-18 inches, 15c each, 10 for $1.20, 100 for $10.00.

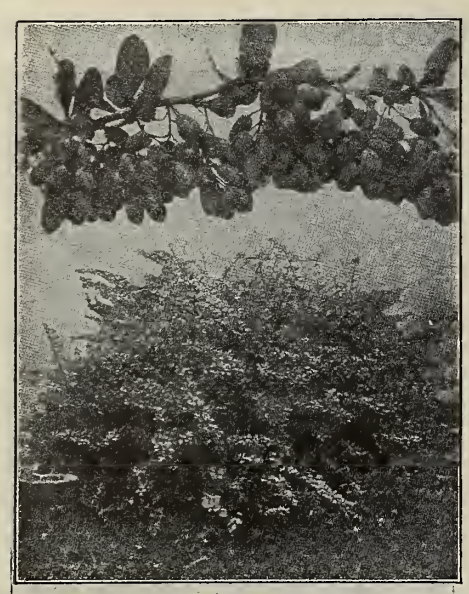
BARBERRY, VULGARIS. (European Barberry.) Leaves are dark green, flowers yellow and berries dark red. Very hardy. Should be in every garden. Makes a fine hedge.

Price: 2 to 3 feet, 25c each, 10 for $2.20; light plants, 12-15 inches high 11c each, 10 for $1.00, 100 for $9.00.

CALYCANTHUS. The Sweet Scented Shrub or Strawberry Shrub. Also called Chocolate Shrub and Carolina Allspice. Flowers very double, a brownish purple in color and deliciously fragrant. Blooms nearly all summer and is one of the most desirable shrubs. Hardy and of easy culture.

Price: 2 to 3 feet, 25c each, 10 for $2.00.

Rose Acacia



Barberry Thunbergi (Page 37)

ORNAMENTAL SHRUBS—(Continued)

CORNUS. Siberian Dogwood. Free growing, 6 to 10 feet tall and very hardy; forms a small, handsome tree in some situations; its clusters of small, white flowers in early summer are very dainty, and its bark is a showy dark red in winter. All the Siberian Dogwoods bear in early fall a profusion of whitish blue berries, making them distinctly ornamental after the flowers have gone. A very brilliant shrub in early spring, when the bark is intensely colored.
Price: 2 to 3 feet, 25c each, 10 for $2.00.

CORNUS FLORIDA. White Flowering Dogwood. The great white beautiful flowers are 3 inches and more in width, lasting in favorable weather for as many weeks. Besides the fine characteristics given above, the bright red bark on its young growths makes it attractive and cheery in winter. Tree rarely grows over 20 feet in height and is branching in habit. Blooms when it is still quite small.
Price: 2 to 3 feet, 25c each, 10 for $2.00.

CORNELL - CHERRY. (Cornus Mascula.) A fine ornamental tree or bush. See description under Cherry trees.

DEUTZIA FORTUNEI. A very desirable shrub of strong, hardy growth, with nice, luxuriant foliage and bearing an abundance of beautiful racemes of double white flowers. Must be seen to be appreciated. There is nothing in the list of hardy shrubs that gives better results for planting masses or groups on the lawn. Extremely hardy, of easy culture, thriving in almost any well drained soil. Blooms in June. Sometimes called Snowflower. This variety of Deutzias does not seem to be hardy here in Beatrice. Has frozen back to the ground three winters out of four. Is fine, though, farther south.
Price: 2 to 3 feet, each 25c, 10 for $2.00.

DEUTZIA LEMOINEI. This variety forms a small dwarf shrub with spreading branches, usually growing about 3 feet tall. Leaves bright green, 2 to 3 inches long; flowers pure white, in large clusters or panicles. Of vigorous growth, very free flowering and of easy culture. In my garden Lemoinei stands our winter the best of all, seldom freezing back in the least.
Price: 2 to 3 feet, 25c each, 10 for $2.00, 100 for $17.00.

Cornus Florida

FLOWERING CURRANT. (Ribes Aureum.) The Flowering Currents are much prized for their wealth of bright flowers in early spring and their pervading, spicy odor. The leaves are glossy green and turn to brilliant colors in the fall. This variety has yellow, fragrant flowers, followed by dark brown fruits. Is hardy most anywhere, of vigorous growth with upright branches. Attains a height of 5 to 7 feet. Early in April, when few trees or shrubs have awakened from their winter's sleep, the Yellow Flowering Currant puts forth its leaves and brilliant colors of bright yellow flowers, loading the air with their sweet fragrance and adding a touch of sunshine to the landscape otherwise dull. For this reason it should be placed where it may show its springtime beauty with full effect.
Price: 2 to 3 feet, 20c each, 10 for $1.50.

Deutzia Lemoinei

FLOWERING ALMOND, PINK. (Prunus.) The Flowering Almonds are pretty dwarf bushes that bloom quite early and are very showy in spring. Their slender, leafless, upright branches are entirely hidden by stemless, very double flowers of pink color, resembling small roses. Grows to a height of 4 to 5 feet and blooms in May. One of the best flowering shrubs and can be highly recommended for the Western states.
Price: 2 to 3 feet, 25c each, 10 for $2.00.

FLOWERING ALMOND, WHITE. Shrub is very similar to Flowering Almond, Pink, with handsome, double white flowers in great profusion, completely covering the branches. **Price:** 2 to 3 feet, 25c each, 10 for $2.00.

FORSYTHIA. Golden Bell. Few if any of the spring flowering hardy shrubs can surpass the splendor and brilliancy of the Forsythia. Both the grace and beauty give them a prominent place in all shrub plantations. Of upright, vigorous growth; foliage rich dark green and lustrous. Flowers brilliant golden yellow, borne in great profusion early in April before the leaves appear. **Price:** 2 to 3 feet, 20c each, 10 for $1.50.

WEEPING FORSYTHIA. Drooping Golden Bell. (Forsythia Suspensa.) A graceful shrub with long, slender drooping branches. Leaves dark green and lustrous, persisting until heavy frost. The beautiful flowers come in great profusion, are golden yellow and very showy. Grows about 8 to 10 feet tall. Very odd and interesting and one of the showiest of the shrubs in cultivation. **Price:** 2 to 3 feet, 25c each, 10 for $2.00.

Niles, Mich., 4-24-1914.

Received seeds O. K. Thanking you very much, I remain
SAMUEL POWDEN.

PARCEL POST: For all trees and plants that can go by parcel post, see prices on pages 64, 65, 66 and 67.

ORNAMENTAL SHRUBS—(Continued)

FRINGE TREE, PURPLE. (Rhus Cotinus.) This is the beautiful Mist or Smoke Tree. One of our handsomest shrubs growing to tree-like proportions in favorable locations. Its loose, graceful, drooping panicles of purple flowers are quite fragrant, and borne in fringing clusters above very large, deep green leaves of thick, feathery texture, giving the bush an appearance of purplish smoke; hence the name, "Smoke Tree." In autumn the foliage turns to shades of reddish brown. Blooms in June.
Price: 2 to 3 feet, 25c each, 10 for $2.00.

FRINGE TREE, WHITE. (Chionanthus.) A very desirable tall growing shrub, foliage dark green, turning yellow in autumn. Flowers pure white, in loose drooping panicles, appear in May and June, followed by small, plum-like berries of bluish color. When in blossom, the tree appears as if it were festooned with the most delicate white lace. There is no other hardy shrub resembling it and yet it harmonizes well with other planting. It is free from insects or fungus attacks and has dark, handsome, luxuriant foliage.
Price: 1½ to 2 feet, each 25c, 10 for $2.00.

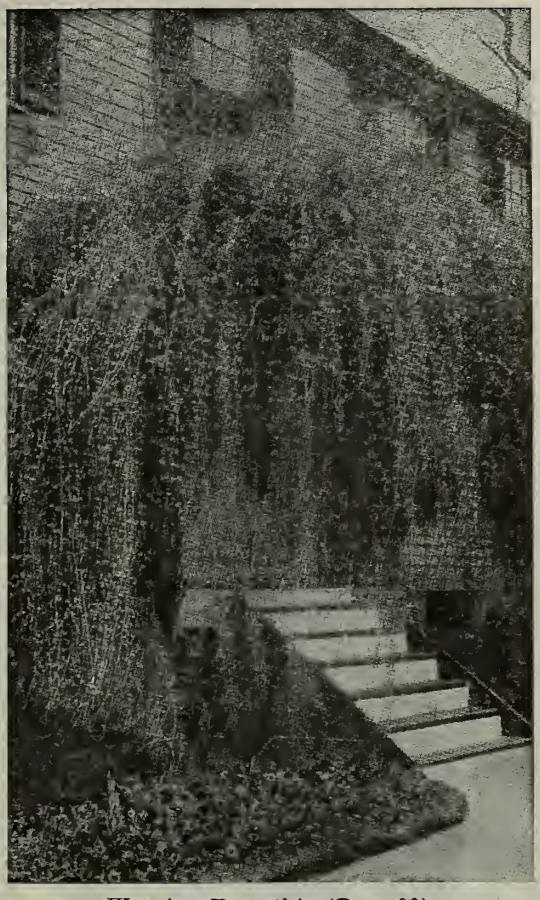
GLOBE FLOWER, DOUBLE. (Kerria.) A graceful shrub from Japan, with long, slender branches, clothed with peculiarly rough, sharply cut foliage, bright green in summer and fading yellow in autumn. The double, brilliant golden flowers are borne in profusion throughout the summer. A handsome shrub, growing 4 to 5 feet tall, of spreading habit with drooping branches. Of strong, vigorous growth.
Price: 2 to 3 feet, 20c each, 10 for $1.50.

WHITE GLOBE FLOWER. Same as the above, except that the double flowers are white. **Price** the same as the yellow.

GOLDEN ELDER. (Sambucus.) A variety with golden yellow foliage. A valuable plant for producing contrast when planted with other shrubs. Grows to a height of about 6 feet, and is of vigorous, spreading habit. Berries and flowers same as American Elder. Should have full sun to give best effect. Grows well on all soils and can be pruned into a neat, compact little bush. One of the best golden foliaged shrubs. **Price:** 2 to 3 feet, 30c each, 10 for $2.50.

VARIEGATED LEAVED ELDER. This variety is similar in growth to the Golden Elder described above. The foliage is mottled with yellow and white; one of the best variegated leaved shrubs. In flower and fruit it is similar to the American Elder. **Price:** 2 to 3 feet, 25c each, 10 for $2.00.

AMERICAN ELDER. (Sambucus Canadensis.) The common Elder Berry. A tall shrub with stout stems filled with white pith. The small white flowers come in large flat-topped cymes, fragrant, opening in early summer. Fruit black, very profuse, ripening in August and September. Grows 6 to 8 feet tall. The berries are highly esteemed for cooking and making of cordials. In many parts of Europe they are grown for the purpose of making wine, and are said to be of great value for medicinal purposes in case of stomach disorder. **Price:** 2 to 3 feet, 15c each,10 for $1.35.



Weeping Forsythia (Page 38)

Globe Flower, Kerria

Osnaburg, Ohio, April 20, 1914.

I received my order in good shape and the trees are nice. They had the nicest roots of any trees I ever planted. If the fruit will be as nice as the trees, they will be all right. Thanking you for the nice order, I remain,

EMANUEL MOTH.

Fringe Tree, Purple

Japanese Quince

ORNAMENTAL SHRUBS—(Continued)

HIGHBUSH CRANBERRY. (Viburnum Opulus.) A magnificent, large shrub, with upright and spreading form. The leaves are broad oval, three-lobed and bright green. The small white flowers which appear in early summer are borne in broad, flat clusters surrounded by a ring of large sterile flowers. These are followed by very showy scarlet berries, which cling to the bush all winter, as they are not disturbed by the birds. It will thrive and grow to perfection in the coldest climates or where the extremes of heat and cold are the greatest.

Price: 2 to 3 feet, 30c each, 10 for $2.25.

BUSH HONEYSUCKLE, RED TARTARIAN. (Lonicera Tatarica.) The best known of all the Bush Honeysuckles and in our estimation the finest variety of all. Grows to a height of 8 to 10 feet with upright, somewhat spreading branches and bright green foliage. The flowers are borne freely in May and June, are of bright pink color, followed by showy red berries, which ripen in mid-summer, and cling to the bush for several weeks. This fine shrub is of great value when planted as a background for smaller shrubs or in a commanding position where their size will make them conspicuous. It is one of the best shrubs for Northern latitudes, as it withstands the severest winters. **Price:** 2 to 3 feet, 20c each, 10 for $1.75.

BUSH HONEYSUCKLE, MORROWI. Japanese variety. Grows only 4 to 6 feet tall and spreading. In early spring its pure white flowers are very attractive. The finest berry-bearing variety, the fruit being a rich crimson and remaining a long time. Very hardy.

Price: 2 to 3 feet, 25c each, 10 for $2.30.

HYDRANGEA PANICULATA GRANDIFLORA. The large flowering Hydrangea. Flowers would be scarce in August and September, if it were not for this showy shrub with its large panicles of pure white flowers, often turning to pinkish as they age. Blooms until hard frost kills them. Can be planted as a specimen plant, or in the foreground of other taller shrubs, also often used as a hedge. In cold localities, cut all limbs back to 15 inches and cover with some strawy manure, and you will be sure of a mass of flowers the next fall. Bush grows about 4 to 5 feet tall. A fine cemetery plant. Use it in numbers wherever a mass of white flowers is desired.

Price: 2 feet, 25c each, 10 for $2.30.

HYDRANGEA PANICULATA IN TREE FORM. These are 4 to 5 feet trees, with good stems and splendid crowns. They are very effective for the lawn or park; or planted along the sidewalk or driveway, about ten feet apart, they make a most beautiful sight when in full bloom. By planting one or more of these beautiful trees you can show to your neighbors and friends something nice and not commonly seen. **Price:** For 4 to 5 feet trees, 60c each, 10 for $5.00. Cannot be sent by mail.

Tree Hydrangea

HYDRANGEA, AMERICAN EVERBLOOMING. The Snowball Hydrangea. This new Hydrangea is the most beautiful hardy shrub introduced in the last twenty years. The plant which attains a height of 5 or 6 feet, with nearly the same breadth, is of far more graceful habit than the old form; with large trusses of beautifully formed flowers of dazzling whiteness, rendering this a plant of peerless beauty. The flowers are full and round as a ball, resembling the flowers of the well-known Snowball shrub. They bloom much earlier than Hydrangea Paniculata here about the middle of June, and if well watered will bloom almost all summer. Like all Hydrangeas, they like plenty of water. Its hardiness and vigor have been well tested in all parts of the country, and it has been found well adapted to this part of the country and all Western states.

Price: 2-3 feet, 35c each, 10 for $3.00.

JAPANESE QUINCE. (Red.) (Cydonia.) Also called Firebush. (See illustration.) Very showy and one of the earliest shrubs to bloom, the flowers appearing before the leaves are fully developed. The brilliant scarlet flowers gleaming like red-hot coals. Fruit about two inches in diameter, yellowish green, and of aromatic fragrance. Invaluable for border or garden planting and make beautiful informal or clipped hedges. As a harbinger of spring the Japanese Quince deserves a prominent place on the lawn, where its bright red flowers can be seen to advantage. Sometimes, when snow may be seen in sheltered corners, this shrub will put forth brilliant flowers, glowing like living coals of fire. Very hardy and easily transplanted, and will thrive in almost any well drained soil.

Price: 2 to 3 ft., 15c each, 10 for $1.25, 100 for $10.

JAPANESE QUINCE. (White.) Flowers same as the above except that the flowers are white. **Price** same as the Red Japan Quince.

Snowball (Page 42)

ORNAMENTAL SHRUBS—(Continued)

LILAC, PERSIAN PURPLE. The old-fashioned Lilac which grows into a very high bush, with bright green, heart-shaped leaves. In May the plant is crowned with its wondrous wealth of light purple flowers in clusters. It is, without doubt, the best known and most popular shrub grown, and notwithstanding the introduction of so many new flowering shrubs of late years, the Lilac holds its own. A fine tall shrub for the lawn and one of the best for a fancy hedge. Can be used to good advantage in making effective backgrounds for smaller shrubs. Hardy everywhere.
Price: 2 to 3 feet, 25c each, 10 for $2.25, 100 for $18.00.

LILAC, PERSIAN WHITE. This is substantially the same as the Persian Purple, save in the color of its flowers, which are pure white. In May it forms one of the most charming sights the garden affords, with its handsome clusters of exquisitely fragrant flowers, shining out in contrast with the bright green, heart-shaped leaves.
Price: 2 to 3 feet, 25c each, 10 for $2.25.

LILACS IN TREE FORM. We can furnish the above two varieties in tree form, grafted 3 to 4 feet high. Very fine for the lawn or park, or may be planted along the sidewalk or driveway. Showy and something not usually seen.
Price: 3 to 4 feet trees, very strong and stocky, 50c each, 10 for $4.50. We have them in purple and white. Too large to be sent by mail.

MOCK ORANGE OR SYRINGA. (Philadelphus.) Coronarius. One of the very best of the old, well-known shrubs. It seldom or never fails to bloom. The fragrant and beautiful waxy white flowers appear in great profusion in June. The shrub grows to a height of 10 feet, can be kept lower, though, by pruning. Often used for an ornamental hedge. Hardy everywhere and valuable for immediate effects in landscape planting.
Price: 2-3 feet, 25c each, 10 for $2.20; 3-4 feet, 35c each, 10 for $3.20.

MOCK ORANGE, LEMOINE. Flowers of this variety are large, semi-double, very fine. The bush is of a more dwarfish habit. Considered one of the best of the many varieties of Mock Orange. **Price:** 2 feet, 25c each, 10 for $2.30.

OLEASTER. (Eleagnus Longipes.) An oriental shrub with handsome foliage and numerous yellowish-white, fragrant flowers. The fruit is red, borne on slender stalks and ripening in midsummer. When small, the berries are handsomely dotted with brown. Fruit is of a decidedly acid flavor and is prized by many for making jelly, jam, etc. It is a wonderfully strong and thrifty bush, and of great value for producing immediate effect. Grows to a height of 6 to 8 feet. **Price:** 2 ft., 25c each, 10 for $2.25.

PRIVET, CALIFORNIA, and AMOOR RIVER. See under hedge plants. Page 36.

SPIREA. Meadow Sweet. All varieties bloom with the greatest freedom, making them indispensable for ornamental purposes. A good collection of them will give flowers all through the season. All the species are very hardy, easy to grow in many soils and situations, and will be found useful for specimens, groups, screens, borders, ornamental hedges, etc. We grow the following five varieties, which comprise the best of all Spireas.

SPIREA VAN HOUTTI. One of the most popular shrubs, especially in the Northwest. The branches are very graceful and drooping and when in full bloom the leaves are almost covered by masses of white flowers. It will thrive anywhere, even close to the north wall of a house, in the sun, as in the shade. One of the very best shrubs for an ornamental hedge. It likes a wet season, but the driest weather will not kill it. Grows about 5 to 6 feet high in good ground.
Price: 2-3 feet, 20c each, 10 for $1.75, 100 for $16.00; 3-4 feet, 30c each, 10 for $2.75.

SPIREA PRUNIFOLIA. (The real Bridal Wreath.) Among the earliest of the double Spireas and very showy. It is very graceful and plume-like in effect, the branches being covered thickly, almost their whole length with small double white flowers and sweeping outward in gentle curves.
Price: 25c each, 10 for $2.30.

Spirea Van Houtti. Makes fine hedge.

Mock Orange (Philadelphus)

SPIREA THUNBERGII. (Snow Garland.) A Japanese variety of medium size, with narrow delicate leaves and a profusion of small white flowers in early summer. One of the best. Leaves narrow, bright green, turning in autumn to brilliant shades of orange and scarlet. Grows 3 to 4 feet high. **Price:** 2 to 3 feet, 25c each, 10 for $2.25, 100 for $18.00.

SPIREA ANTHONY WATERER. This beautiful variety produces flowers of a bright crimson and blooms so freely that it may be kept flowering during the summer till late fall by trimming away dead blooms. Foliage is very handsome, being variegated with creamy white or yellow. Grows 15 to 20 in. high; is very useful for massing or border.
Price: 15 inch plants, 20c each, 10 for $1.75, 100 for $14.00.

SPIREA BILLARDI. Rose colored flowers in large spikes, blooms nearly all summer. Very pretty and showy and splendid for cut flowers. Grows 4 feet high.
Price: 2 to 3 feet, 25c each, 10 for $2.25.

Waxberry

ORNAMENTAL SHRUBS—(Continued)

SNOWBALL. Guelder Rose. (Viburnum.) One of the favorites of old-time gardens. It grows into a magnificent high bush with upright branches and handsome foliage. It forms one of the most impressive sights of early summer when its pure white, four-petaled flowers, borne in showy balls, are in bloom. We have a snowball bush on our farm, on which we counted over 800 blossoms. Hardy everywhere.
Price: 2 to 3 feet, 25c each, 10 for $2.25, 100 for $18.00.

JAPANESE SNOWBALL. (Viburnum Plicatum.) From North China. Of moderate growth; handsome plicated leaves, globular heads of pure white neutral flowers early in June. It surpasses the common Snowball in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. One of the most valuable flowering shrubs.
Price: 2-3 feet, 35c each, 10 for $3.00.

SNOWBERRY OR WAXBERRY. (Symphoricarpus.) A desirable shrub with small pink flowers, followed by large white waxlike berries, which hang on the plant through most of the winter. Grows to a height of 2 to 4 feet. Very showy and succeeds everywhere. Of special value for planting in densely shaded places, where few other shrubs will grow.
Price: 2 to 3 feet, 20c each, 10 for $1.75, 100 for $15.

SNOW OR WAXBERRY, Red Fruited. Same as the above, only the berries have a red color, and are smaller.
Price: 2 to 3 feet, 20c each, 10 for $1.75.

SUMAC, FERN LEAVED. (Rhus Typhina.) This variety of native staghorn sumac was found on the hills of Vermont. It is of rapid, robust growth, producing cones of bright red fruit. Leaves beautifully formed, rivaling the most delicate fern. For massing with other shrubs the effect is striking. Can also be cut to the ground each season and a mass of beautiful foliage will result. This shrub will thrive on the poorest of soils with a surprising luxuriance. **Price:** 2 to 3 feet, 25c each, 10 for $2.00.

TAMARIX, AFRICAN. Very strong growing shrub with brown bark and slender, spreading branches. The foliage is as light and feathery as asparagus; flowers delicate and fringing, of bright pink color. The blooms appearing in May or June and sometimes again in fall. Valuable for planting near the seashore or on the edge of sandy banks near fresh water. Will grow 10 to 12 feet high.
Price: 2 to 3 feet, 15c each, 10 for $1.30, 100 for $12.00; 3 to 5 feet, 25c each, 10 for $2.30.

TAMARIX ODESSA. A Russian variety, much superior to the African Tamarix. The foliage is bluish green, similar to the Colorado Blue Spruce. The flowers are of a delicate pink color. Blooms in July and often again in August and September. The branches are very graceful and the shrub is much hardier than the African. Stood in my garden a temperature of 26 degrees below zero without injury, while the African froze to the ground. Excellent in making bouquets, owing to its superb foliage and delicate flowers. **Price,** 30c each, 10 for $2.75.

RUSSIAN ARTEMESIA. A very hardy shrub with finely cut foliage of light or whitish-green color and very pleasant aromatic odor. Forms a symmetrical upright bush. The height is about 4 to 5 feet. **Price:** 2 feet plants, 20c each, 10 for $1.50.

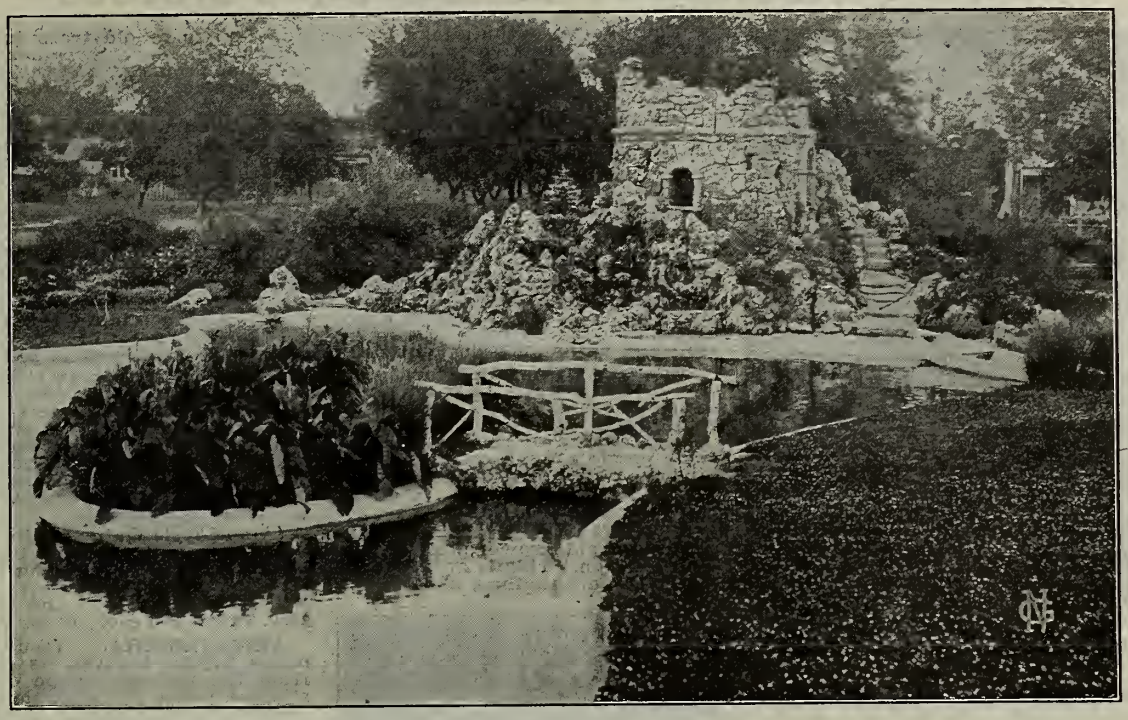
WEIGELIA, EVA RATHKE. A new variety from Germany and probably the best and finest of all Weigelias. Flowers are of brilliant crimson color, a beautiful and distinct shade. Blooms nearly all summer and when in full bloom the whole plant fairly glows with color. On September 27th our Eva Rathke Weigelias were still in full bloom and the plants literally covered with their beautiful, intensely rich flowers. Grows 2 to 3 feet tall. It is not real hardy in Nebraska. Cut the bush back late in the fall to one foot and cover with strawy manure. It will amply repay this little work the next summer. **Price:** 2-3 feet, 35c each, 10 for $3.20.

WEIGELIA ROSEA. An elegant shrub with beautiful rose colored flowers. Blooms from June until fall. It is erect in habit, with good foliage. The height is four feet. Very hardy.
Price: 2 to 3 feet, 25c each, 10 for $2.25.

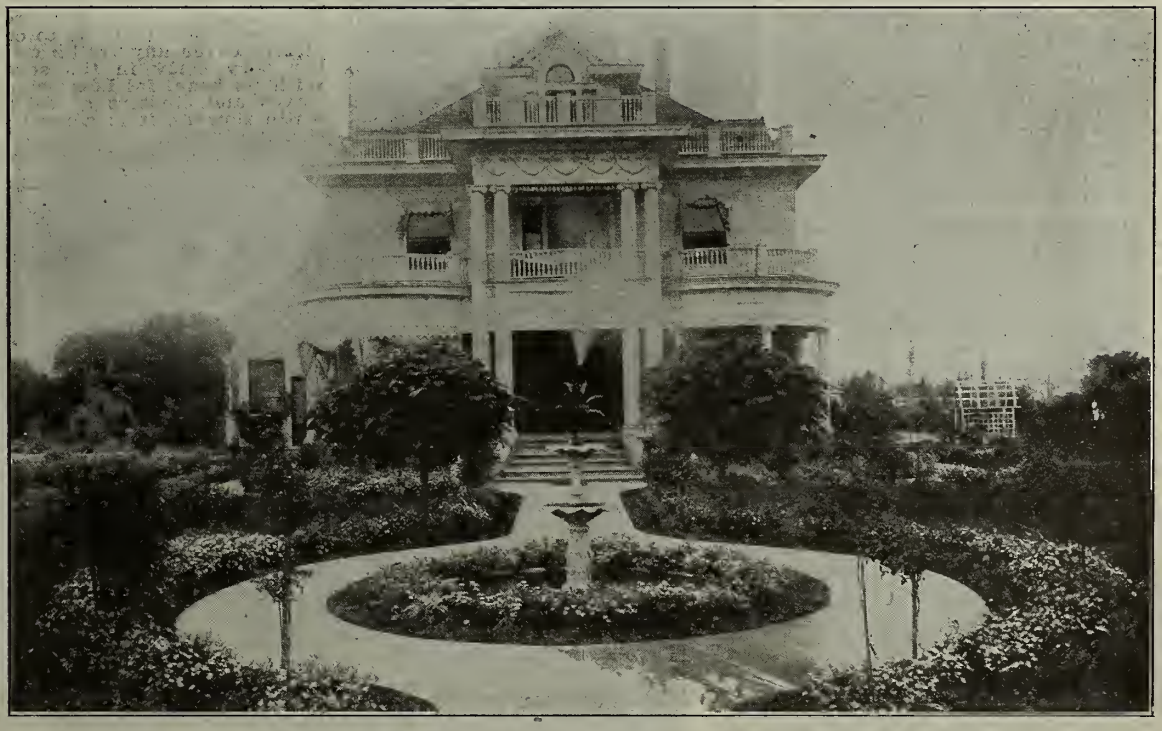
WEIGELIA VARIEGATA. A variety with bordered leaves of yellowish-white color, making the bush very conspicuous the entire season. Pink flowers.
Price: 2 to 3 feet, 25c each, 10 for $2.25.

Aug. 8th, 1913.
I wish to thank you for the many good things you sent this spring. Everything grew fine, and those extras you put in are doing fine. A good many people have seen them and are well pleased, and I know they will buy when they see your catalog and its prices.
You may ship me a box of fifty catalogs and I will distribute them for you, or I will send you the names of friends and relatives who will buy at your low prices.
W. R. VICKERY,
Holstein, Ia.

Weigelia

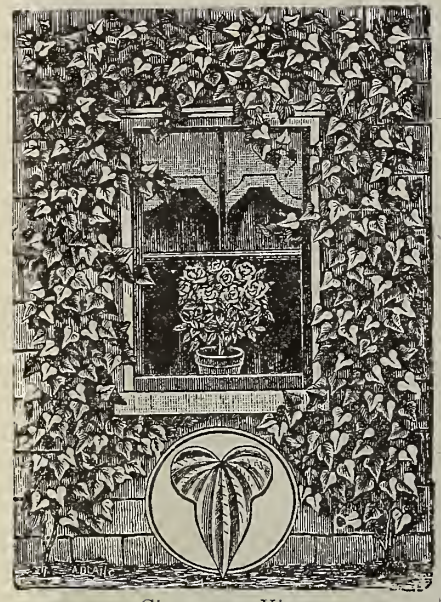


Corner in my garden. On the little island are planted Caladiums on the outside, inside Cannas. Lawn, Kentucky bluegrass and white clover. See description and prices, pages 115-117. The small building is a partial reproduction of a castle-ruin near my old home in Switzerland



Entrance to my home. Flowers around the fountain are Moss Verbenas. Outside circle along walk Petunias. The small trees are Tree Roses. The two large trees are Catalpa Bungei.

HARDY ORNAMENTAL CLIMBING SHRUBS



Cinnamon Vine
Baby Rambler Rose in Window

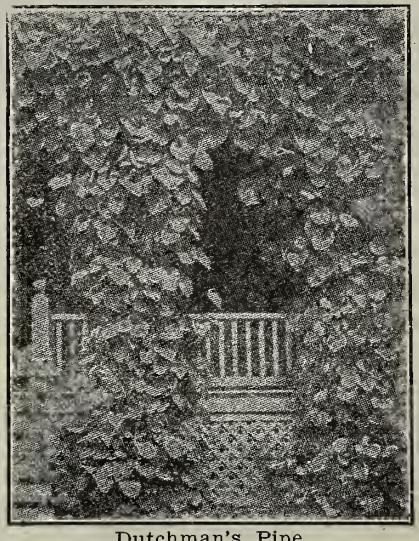
Your home, outbuildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish nice, strong, field-grown plants at prices given below.

AKEBIA. A beautiful, hardy Japanese vine with unique, dainty foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects and is nearly evergreen. Blooms in May. Its rapid growth makes it highly suitable for porches, trellises or running over walls and banks. Does best in a sunny location and well drained soil. **Price,** 35c each.

AMPELOPSIS ENGELMANII. A new variety of Woodbine which has long been desired. It has shorter joints and very much smaller and thicker foliage. It also is better equipped with tendrils by which it will climb walls of stone or brick as closely as the Boston Ivy. This variety has proved itself perfectly hardy in Minnesota, and we have no doubt but that it will occupy the same place in the North and West that the Boston Ivy does in the East. Will grow in almost any soil and withstands drought and heat well. **Price,** 25c each, 10 $2.30.

BOSTON IVY. (Ampelopsis Veitchi.) One of the finest climbers for covering walls, as it clings firmly to the smoothest surface, covering it evenly with overlapping leaves, which form a perfect mass of foliage. The color is fresh deep green in summer, changing to bright shades of crimson and yellow in autumn. The handsomest vine possible for growing on house walls, especially the foundation and the first story, around the doors and windows. When once established it is quite hardy. Should be planted only south of here.
Price: 30c each, 10 for $2.75.

VIRGINIA CREEPER. Woodbine. (Ampelopsis Quinquefolia.) A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and valuable for covering back porches, outbuildings, arbors, etc. Perfectly hardy everywhere and will grow in any soil and situation. **Price:** 15c each, 10 for $1.35.



Dutchman's Pipe

ARISTOLOCHIA. (Dutchman's Pipe.) Derives its name from the peculiar shape of its flowers, which resemble the old-fashioned Dutch pipes. It is one of the most rapid climbers in use. Does best on the north side of houses where the full force of the noonday sun does not strike it. This is an extremely desirable feature, however, as it fills locations where most other vines are not a success. A very pretty and odd climber. Blooms in June. **Price,** 65c each.

CINNAMON VINE. (Diascorea.) This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves and clusters of delicate white flowers, it is a most desirable climber.
Price: Strong roots, 10c each.

BITTER SWEET. (Celastrus Scandens.) A native climber with handsome glossy foliage and large clusters of beautiful orange crimson berries remaining all winter. Very bright in effect and charming for winter house decorations. Very hardy.

Price: Strong plants, 25c each, 10 for $2.00.

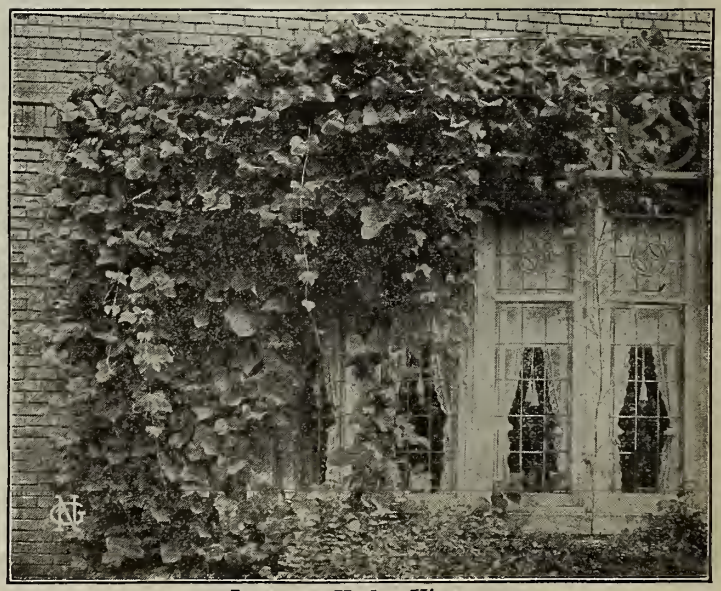
CHINESE MATRIMONY VINE. (Lycium.) Vigorous growing, hardy climbing vine that may be used anywhere that a vine is needed for training to trellis, fence or wall. The foliage is of a grayish green. The flowers, which appear from June to September, vary through shades of pink to purple. The fruit which follows is of a deep crimson color and very showy. It is borne abundantly along the entire length of the branchlets. It is especially attractive in the fall when it is thus loaded with its bright fruits which contrast well amid the green foliage. The foliage remains fresh until severe frosts. Will grow in nearly all soils and in all climates. **Price,** 20c ea., 10 $1.75.

JAPANESE KUDZU VINE. Jack and the Bean Stalk Vine. (Pueraria.) The most remarkable rapid growing hardy perennial extant. In rich soil the plant will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks it grows almost beyond belief. Leaves in shape like Lima Beans; dark green, soft and woolly. For porches, arbors, old trees, etc., we know of nothing its equal. The illustration on this page gives some idea of the beautiful effect obtained by planting this climber.

Price: Strong, field-grown roots, 25c each.

HONEYSUCKLE, HALL'S EVERGREEN JAPAN. (Lonicera.) One of the best of the climbing Honeysuckles, and a free bloomer. Has oval, semi-evergreen foliage and fragrant yellow and cream colored flowers in constant succession. Grows to a height of 12 to 15 feet. Excellent for covering trellises, rocks, dry banks, etc. The Honeysuckle perfume is remembered and loved throughout the world.

Price: 25c each, 10 for $2.25.



Japanese Kudzu Vine

PARCEL POST: For all trees and plants that can go by parcel post, see prices on pages 64, 65, 66 and 67.

ORNAMENTAL SHRUBS—(Continued)

Trumpet Vine

CLEMATIS

Beautiful free flowering vines with very showy flowers. They are well adapted for training on porches, balconies and trellises, or for covering walls, fences and arbors. A loamy, fertile soil suits them best, and to secure the best results the ground should be enriched frequently. We can furnish the following best varieties, all two-year-old, strong field-grown plants:

AZURESTAR. A novelty from Erfurt, Germany. Probably the prettiest of all large flowering Clematis. When the flower opens it is of a deep blue color, slowly turning to sky blue, therefore its name. The flower is large, has eight petals and is altogether much superior to the Jackmanni. With us it is the earliest of all Clematis, commencing to bloom in June and continuing until frost. The prettiest, most freely flowering climber I know of. The vines are very hardy and of vigorous growth, a great advantage over other sorts. Nothing in my garden has attracted so much attention as this Clematis.

Price, $1.00 each.

HONEYSUCKLE, RED CORAL. A shrubby climber and one of the most satisfactory of all plants. The odd shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet shaped flowers almost continuously. A splendid vine for porches. Grand for trellises and ground cover. Will thrive in almost any kind of soil, growing to a height of 10 to 15 feet.

Price: 20c each, 10 for $1.75.

HONEYSUCKLE, AUREA. A variety with beautifully variegated foliage. Flowers very fragrant, of creamy white color. In bloom from June till August.

Price, 25c each, 10 for $2.25.

TRUMPET VINE. (Bignonia Radicans.) A robust, woody vine, climbing high and twining tightly with numerous roots along its stems. Great leathery, trumpet-shaped flowers of orange-scarlet, clustering all the tips of the branches, bending them gracefully with their weight. In bloom nearly all summer. Extremely valuable for covering old stumps or walls; wherever a showy flowering vine is desired, it will be found most useful and pretty.

Price: 25c each, 10 for $2.25.

EUROPEAN TRUMPET VINE. (Bignonia Rubra.) The flowers of this variety are very much larger and of a better color, which is yellowish-red. They bloom much younger than the Bignonia Radicans, two-year-old plants always blooming well in the nursery. Are perfectly hardy, constant bloomers and very showy.

Price: Two-year-old plants, 30c each, 10 for $2.75.

WISTARIA, CHINESE PURPLE. This variety bears in great profusion large drooping clusters of purple pea-shaped flowers, somewhat resembling a bunch of grapes in size and form. Blooms in May and June and sometimes again in the fall. The foliage is very pretty, of pale green color. An exceedingly beautiful and useful climbing plant that may also be trained to tree form. **Price,** 25c each.

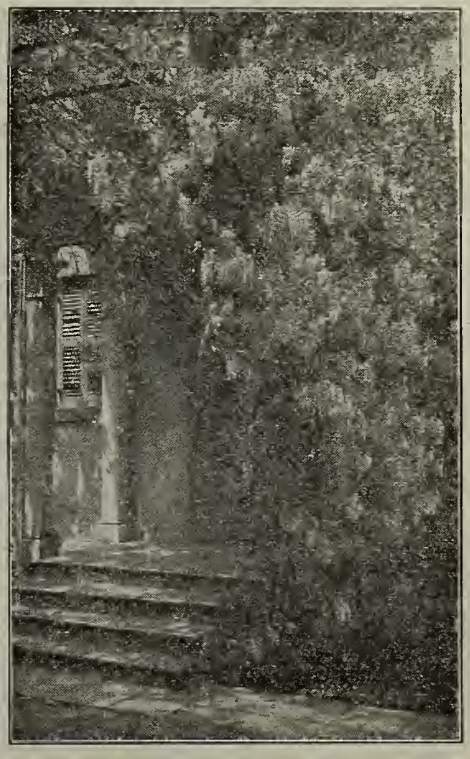
WISTARIA ALBA. A form of the above, but flowers are pure white, in large drooping racemes. **Price,** 25c each.

MADEIRA VINE. Also called Mignonette Vine and Mexican Vine. A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vines make a rapid growth, and a few plants will cover a trellis or cottage wall in a single season. Will grow anywhere without care. **Price:** Strong roots, 5c each, 12 50c.

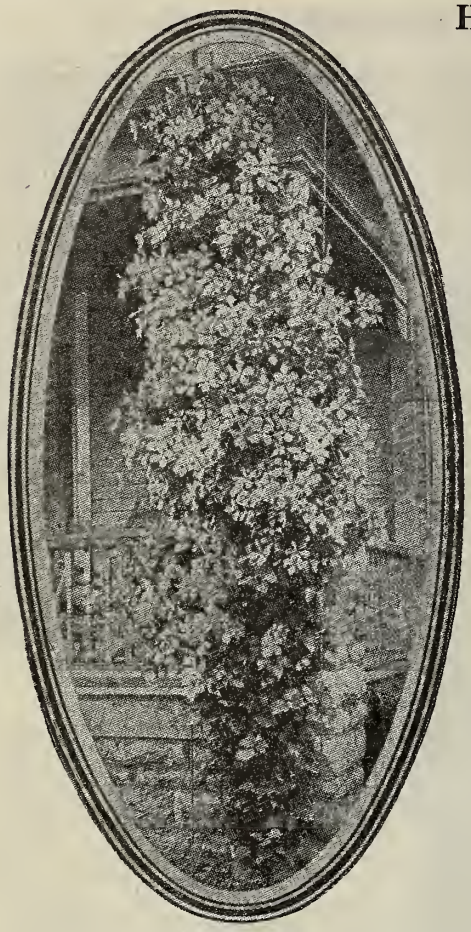
Parcel Post prices, see pages 64 to 67.

Clematis Henryi (Page 46)

Showing growth of Ampelopsis Engelmanii, set out April, 1914, photographed August, 1914. See description page 44.



Wistaria



Clematis Jackmanni

TRAILING PERIWINKLE
(Vinca Minor)

A hardy evergreen shrub, or more properly called a vine, trailing close to the surface, forming a dense mat, thriving under trees, where grass will not grow; useful for binding the soil in slopes to prevent washing, for covering graves, where the blue flowers contrast finely with the glossy foliage. Perfectly hardy. **Price,** 10c each, 10 for 90c.

SATISFIED CUSTOMERS

Quenemo, Kan., Jan. 1, 1914.

I am very well pleased with the order I sent to you two years ago. Among the order I included one of the Compass Cherry-Plum. Last year that tree had some fruit already, and this year, the second year after planting, we picked over two quarts of fruit from it. Considering the awful dry and hot weather we had this summer, I think that was fine for a two-year-old tree, as there was hardly any other fruit around. The plums were all sound and healthy, there wasn't a spotted one in the bunch. I showed the tree to all my neighbors that came here while the fruit was on the tree and they all said they would order some of them.

HENRY DEHN, R. No. 3.

Pembine, Wis., April 22, 1914.

Our goods shipped by you about April 1 were received in good condition about a week ago, and I wish to thank you sincerely for the more than fair way you dealt with us. I note with special pleasure the extra size of the "Delicious" and "Bismarck" apple trees, and their vigorous and fine appearance, and assuring you that you will be remembered later, when we want stock in your lines, and again thanking you, I beg to remain

C. F. KENNISON.

PARCEL POST

For all trees and plants that can go by parcel post, see prices on pages 64, 65, 66 and 67.

HARDY ORNAMENTAL CLIMBING SHRUBS
(Continued)

LARGE FLOWERING CLEMATIS

JACKMANNI. The well-known large flowering blue clematis. The beautiful flowers, when fully expanded, measure 4 to 6 inches in diameter, intense violet-purple with a rich, velvety appearance, distinctly viewed. It blooms continually from July until cut off by frosts. Plant is hardy, abundant and successful bloomer. **Price,** 40c each.

HENRYI. This is the finest of all large flowering white clematis, and should find a place in every collection. It is not only a vigorous grower, but a remarkably free and continuous bloomer, beginning with the earliest, holding out with the latest. Flowers are large, of beautiful creamy-white, with reddish chocolate anthers. **Price,** 40c each.

MADAME EDOUARD ANDRE. Has been called the crimson Jackmanni. The plant is a strong, vigorous grower, very free in bloom. Lovely flowers of a distinct crimson color. Distinct from all other varieties. **Price,** 40c each.

RAMONA. One of the most desirable of the large flowering clematis. The large, beautifully formed flowers are of a deep rich lavender, a very pleasing and unusual color. The plant is a vigorous grower and perpetual bloomer. A decided acquisition to this class of Clematis and a plant that everyone will want. **Price,** 35c each.

SMALL FLOWERING CLEMATIS

COCCINEA. Scarlet Bell-Flower Clematis. A beautiful and graceful climber, with broad, green leaflets and very pretty flowers of intense scarlet color. Blooms freely in June and throughout the summer. The plants are healthy and will stand drought quite well. **Price,** 25c each.

PANICULATA. The small flowering, sweet scented Japan clematis. One of the most vigorous and beautiful of all climbers. It is a rapid grower, and desirable wherever a quick growing vine is needed, on walls, verandas, fences, etc. In late summer it produces dense sheets of medium sized pure white flowers of the most pleasing fragrance. Will grow in almost any soil, and is entirely free from blight and insects. **Price,** 30c each. See illustration, page 55.

Azurestar Clematis, set out spring, 1913. Photographed in my garden, summer, 1914. See description, page 45.

ROSES

Queen of Colors

The Rose, the Queen of Flowers, is justly one of the most popular. Few plants give better satisfaction to the lover of beautiful flowers, when properly treated. To obtain the most satisfactory results, roses should be planted in well drained, rich, deep loamy soil, and given a location where they will have sunlight and a circulation of air. For winter protection an application of composite or manure should be given them in the late autumn, and spaded into the ground the following spring. All our roses are two-year-old, field-grown plants, about 2 to 3 feet high and well rooted. We have no small greenhouse-grown stock.

HARDY EVERBLOOMING HYBRID TEA ROSES

The following varieties are free bloomers and excellent for cutting. Hardy and will withstand ordinary freezing weather, but should have protection during the winter. Suitable for garden or house culture. In the open field the Kaiserin, Grus an Teplitz, Maman Cochet and especially Killarney withstood our hot, dry summer extremely well and bloomed profusely all through the summer and fall.

THREE GRAND NOVELTIES

RAYON D'OR. (Golden Rays.) A Hybrid Tea Rose, everblocming, furnishes roses all summer. Without doubt the best yellow everblooming rose. Strong, bushy grower, with green, shining leaves and ovally shaped buds, which are of a yellow color, striped with carmine red. The big, well-formed flowers, when fully open, are of a fine canary yellow color. Received golden medals at London and the Lyon (France) exhibitions. **Price,** 50c each, 10 for $4.50.

PRESIDENT TAFT. A new Rose, a cross of Gruss an Teplitz and Carmoise. Bush a strong, vigorous grower, and a continuous bloomer. Flowers are a carmine-red, double, but not very full. Sweetly scented. A better rose than the Gruss an Teplitz, as the color holds out longer. A fine deep red rose. **Price,** 40c each, 10 for $3.70.

GEO. ARENDS, PINK SNOW QUEEN. Splendid buds and immense flowers, 4 to 5 inches across; perfectly double and delightfully fragrant, large, thick petals, very durable and handsome. Bright, shining green leaves, elegantly veined; a healthy, vigorous grower, entirely hardy and a constant and abundant bloomer. The most beautiful and largest pink rose now before the public. It is as hardy and vigorous and just as constant a bloomer as the White Snow Queen. In my opinion, both the white and pink Snow Queen (Frau Karl Druschki) are among the very best hardy perpetuals. **Price,** 60c each, 10 $5.50.

I Will Send One 2-Year-Old Plant of Each of the Above 3 Grand New Roses for $1.30, Paid Parcel Post.

AMERICAN BEAUTY. This Rose has become as famous as the Marechal Niel. It is a hardy rose of the largest size, having the everblooming qualities of the tea rose, with the delicious odor of the damask or moss rose. It is the sweetest of all roses. Color a deep, brilliant red, shading to a rich carmine crimson. Entirely hardy. A valuable rose for the garden or indoor culture, flowering freely during the winter. **Price,** each 35c, 10 for $3.00.

FRIEDRICHSRUH. Another novelty from J. C. Schmidt, Erfurt, Germany. Flowers very large, dark crimson and of fine aroma. A constant bloomer all summer, healthy and robust, one of the very best red Hybrid Tea Roses. Received a large number of premiums at Rose exhibitions in Euorpe. **Price,** 35c each, 10 for $3.20.

GRUSS AN TEPLITZ. One of the brightest colored roses grown. When first opened it is a dark, rich crimson, changing to a bright scarlet. Blooms continually; flowers good size and delightfully fragrant. It is the rose for everybody, succeeding everywhere. **Price,** each 35c, 10 for $3.25.

HUGH DICKINSON. Flowers very dark crimson, shaded scarlet, very large, fully double, and of magnificent form, with high pointed center. Vigorous upright grower, and blooms freely and continuously all summer. The sweetest perfumed rose for outdoor planting. **Price,** 35c each, 10 for $3.25.

JOHNKEER MOCK. A rose that has won fame for itself in Europe and soon to become one of the leaders in its class in America. Pink in color faced with carmine, and of enormous size and perfect formation. Delightfully fragrant and a good keeper. Flowers on long, heavy canes, almost thornless. Is a strong, rapid grower, hardy with protection in the colder latitudes. **Price,** 35c each, 10 for $3.20.

American Beauty

HARDY EVERBLOOMING HYBRID TEA ROSES—(Continued)

KAISERIN AUGUSTA VICTORIA. The finest white everblooming hardy garden rose. Soft, pearly white, lightly tinted with lemon in the center, just enough to relieve the white. Remarkably fragrant buds and open flowers of elegant form. The plant is a strong grower, blooms freely, and the flowers are carried on long, stiff stems. Best rose for garden and house. **Price,** each 30c, 10 for $2.75.

KILLARNEY. (See illustration.) This beautiful new rose is unquestionably the finest pink, hardy, everblooming tea rose introduced. Blooms large, full and of exquisite shade of shell bright pink. Fragrant and handsome. The bush is strong and upright, with beautiful deep bronze-green foliage; very free blooming. **Price,** each 35c, 10 for $3.25.

MADAME CAROLINE TESTOUT. One of the most popular roses in its class, and undoubtedly one of the best for outdoor culture. Should be in every garden. Immense, large, clear pink flowers, full and double; beautiful buds. Very hardy. **Price,** 30c each, 10 for $2.75.

PINK MAMAN COCHET. The best pink garden rose. In the open ground it quickly makes a strong bush, producing on long, stiff stems, in wonderful profusion, flowers that are perfect. The buds are beautiful, large, full and firm, elegantly pointed, while the open flowers are extra large, and perfectly double. The color is clear, rich pink, changing to silvery rose. Blooms all the time. **Price,** 30c each, 10 for $2.75. Sec illustration, page 50.

WHITE MAMAN COCHET. What has been so long desired, viz: a pure white, hardy, everblooming rose, has been obtained in this grand variety. It has the requisites of a perfect garden rose—substance, size, fragrance, hardiness, vigor and profusion of bloom—rivaling the best of the monthly everblooming roses in the latter all-important quality. It is a "sport" from the well-known and much valued rose, "Maman Cochet," inheriting all its fine qualities, full and firm buds, long and pointed, the ideal rose, keeping long when cut. **Price,** each 30c, 10 for $2.75.

JULIETT. An excellent novelty, of strong, bushy growth and very everblooming. Flowers are large, very double, exceedingly fragrant. The color of the petals on the outside is old gold, inside orange rose, slowly passing to rose. I recommend this rose to all my customers who can appreciate a very daintily colored and fragrant flower. **Priee,** 40c each, 10 for $3.50.

Killarney

MADAME RAVARY. (Hybrid Tea.) A beautiful monthly rose, blooming profusely all summer. The plant grows vigorously and is as hardy as the Kaiserin. Buds are very long and nicely formed. The flower is large, very double and of exquisite orange yellow color, which it holds well. Probably the best yellow rose in cultivation, much better than Golden Sun and a more profuse bloomer. I can recommend this rose. You will not be disappointed. **Price,** 40c each, 10 for $3.75. See illustration, page 50.

OTTO VON BISMARCK. A new Hybrid Tea Rose from Germany. Fine silvery pink, somewhat similar to La France. Flowers profusely all summer. In my garden it is one of the best bloomers. **Price,** each 35c, 10 for $3.25.

QUEEN OF COLORS. (Farbenkoenigen.) A new rose from Germany. Blooms very large and full. Buds are long, color bright rose, with somewhat darker background. Is always in bloom and very hardy. See illustration at top of page 47. **Price,** each 30c, 10 for $2.75.

Kaiserin Augusta Victoria

RHEA REID. A magnificent new crimson garden rose. "As large as American Beauty, as double as La France and as red as Richmond," is the enthusiastic way the originator describes this beautiful new Hybrid Tea Bush Rose. The color is vivid scarlet crimson, and the flowers are marvels of beauty, large, bold and of splendid substance. Has a strong, disease-resisting constitution and makes rapid growth; throws up a profusion of canes from the roots, and is always blooming. As an all-round garden bush rose, it has no superior. **Price,** 35c each, 10 for $3.20.

HARDY HYBRID PERPETUAL ROSES

These hardy roses combine hardiness, vigor of growth and size of flower with great variety. They are very popular and the most useful of all roses. While called "Perpetuals," they are not such constant bloomers as the Everblooming Tea Roses. Particularly valuable for beds or borders in the Northern or Middle states. If you like roses, set out a row or two of these and you will be well repaid. We furnish field-grown, two-year-old, well rooted plants.

See descriptions on following pages.

For all trees and plants that can go by parcel post, see prices on pages 64, 65, 66 and 67.

HARDY HYBRID PERPETUAL ROSES

(CONTINUED)

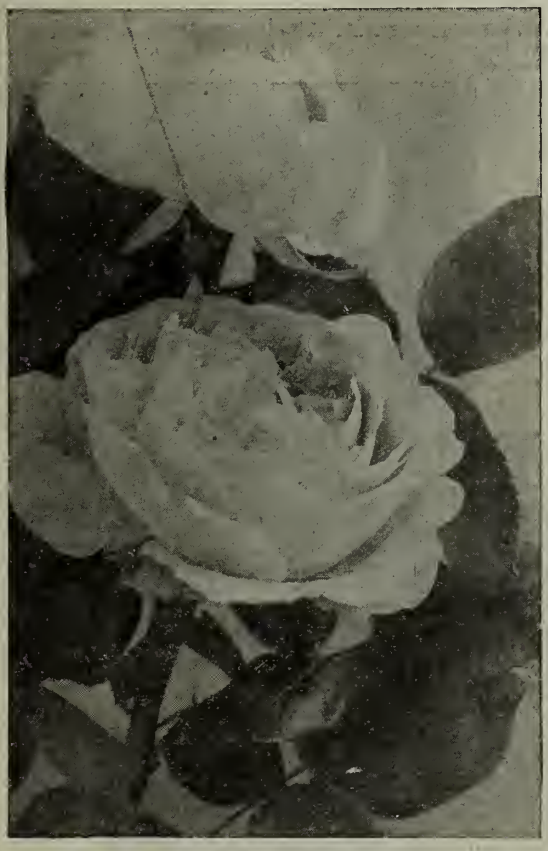
CLIO. A rose of perfect form, with broad, thick petals, high, full center; beautiful from pointed bud to fully opened flower. The color is of a delicate satiny blush, with slightly deeper center. Plant is strong, blooms freely, displaying its great flowers boldly on good stems against large, rich leaves.
Price: Each, 25c; 10 for $2.25.

GENERAL JACQUEMINOT. A rich velvety crimson, changing to a scarlet crimson. This is the best known of all hybrid perpetuals, and is without a rival in fragrance and richness of color. As easy of cultivation as many of the more common varieties and perfectly hardy. Does well anywhere and blooms freely. Also adapted for growing in the house.
Price: Each, 25c; 10 for $2.25.

PAUL NEYRON. The largest rose in cultivation, sometimes called the Paeony Rose. Color bright, fresh cerise red. Flowers are very double and full, delightfully fragrant. The plant makes a strong, healthy growth, and has clear, glossy foliage. Blooms almost without intermission from June until late October. **Price:** Each, 25c; 10 for $2.25.

PRINCE CAMILLE DE ROHAN. Deep velvety crimson maroon, large, moderately full. One of the darkest in cultivation, and a splendid rose. A good bloomer and very hardy. At a distance the beautiful, fragrant, large, deep double flowers appear black. A wonderful rose. Each, 25c; 10 for $2.25.

General Jacqueminot



Snow Queen

SNOW QUEEN. (Frau Karl Druschki.) The finest snow white hardy hybrid perpetual rose. Pure white, large, long pointed buds of first class form. Open flowers are very large, perfectly double and delightfully fragrant; petals shell shaped. Continuous free bloomer. At last we have in this class a rose of purest snow white, whose desirability and value we could not possibly overstate. This is, in our opinion, the greatest new rose that has been introduced in many a year if it is not today the greatest of all roses. Certainly no other white rose can begin to compare with it. An exceedingly strong grower and very hardy. Extra nice two-year-old plants, each 30c; 10 for $2.75.

PINK SNOW QUEEN. A new rose; for description and price, see page 47.

ULRICH BRUNNER. A superb rose; a seedling from Paul Neyron. Extra large, bold flowers; full and globular; petals large and of good substance. Color rich, glowing cherry, elegantly lightened with scarlet. Very fragrant. Plant is of vigorous, healthy growth; blooms freely. One of the best and finest hardy roses for the garden. Very effective when planted in masses. Each, 25c; 10 for $2.25.

MRS. JOHN LAING. Immense flowers, full, double, borne in great profusion on long, stiff stems, exceedingly sweet. Clear, bright, shining pink, exquisitely shaded. Buds long. Each, 25c; 10 for $2.25. Illustration, page 50.

MOSS ROSES

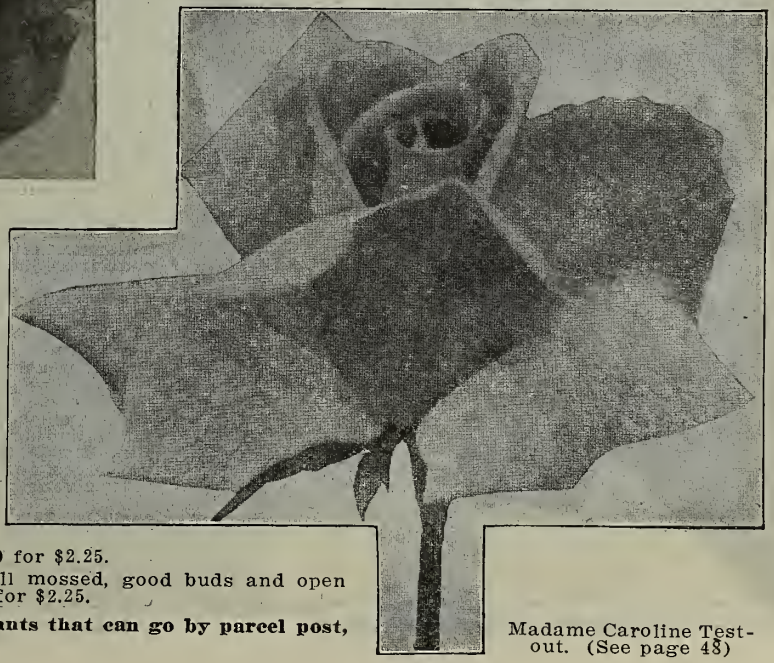
Admired for the beautiful moss covering of the buds. The moss rose is strong and vigorous, perfectly hardy and very desirable for outdoor culture. Most varieties bloom but once in the season, but the flowers and buds are very large and handsome, remain in bloom a long time, and are highly prized. The following varieties are recommended to lovers of the moss rose.

WHITE BATH. White, sometimes tinged with flesh; attractive in bud and open flower. The best White Moss. Each, 25c; 10 for $2.25.

GLORY OF MOSSES. Large flowers of a pleasing, rosy red color. Each, 25c; 10 for $2.25.

CELINA. A dark red Moss Rose, well mossed, good buds and open flowers, and very hardy. Each, 25c; 10 for $2.25.

PARCEL POST: For all trees and plants that can go by parcel post, see prices on pages 64, 65, 66 and 67.



Madame Caroline Testout. (See page 48)

HARDY CLIMBING ROSES

Mrs. John Laing (Page 49)

As an ornamental plant for covering porches, side walls, pillars, fences, etc., they are unequalled, calling forth more admiration than anything else that can be similarly used. They require but little care and are very hardy. Our plants are field grown, hardy, two-year-old stock, 2½ to 3 feet high.

CLIMBING AMERICAN BEAUTY. A grand novelty of great merit. Cross between American Beauty and an unnamed seedling; color rosy crimson, similar to its popular parent, and with same exquisite fragrance, a quality rarely found in climbing roses. Strong growth, making shoots 10 to 15 feet in one season, and as hardy as an oak. Flowers are from 3 to 4 inches in diameter, of fine form, and are produced in great profusion, not only in May and June, but a fair sprinkling of flowers throughout growing season. Try a few; you will never regret it. I offer this new rose in strong 2-year-old field plants, that will bloom this summer, for 60c each; 10 for $5.00.

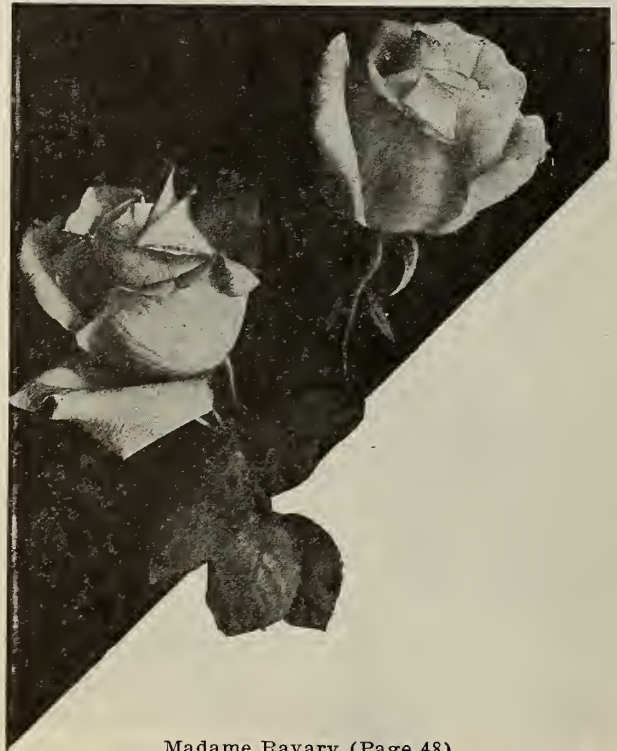
EXCELSA. (Red Dorothy Perkins.) A grand novelty. Intense crimson scarlet, double flowers in brilliant clusters, set in glossy shining foliage, which never mildews nor spots. An intensified Crimson Rambler, which it promises to displace. Extremely vigorous and the handsomest of all red climbers. Each, 35c; 10 for $3.00.

BALTIMORE BELLE. Flowers pale blush, nearly white, is double, in large clusters. It blooms very free. A strong grower and it is hardy. Each 25c; 10, $2.20.

CRIMSON RAMBLER. It is a vigorous grower, making shoots 10 to 20 feet high in a single season. Flowers glowing crimson and produced in immense panicles, covering the plant from top to bottom. Each, 25c; 10 for $2.25.

NEW EVERBLOOMING RAMBLER. (Flower of Fairfield.) Sport of the well-known and famous Crimson Rambler Rose. This new rose produces its lovely flowers until killing frosts stop further growth of the plant. The flowers are produced in great trusses, each carrying from 30 to 40 blooms of the brightest crimson, which remains undimmed to the end. Combined with the waxy, pale green, red-veined foliage, the glowing crimson mass of bloom makes an irresistable effect. The new Everblooming Crimson Rambler produces its flowers on the ends of new shoots, and if cut off as soon as faded, many new side branches will form which soon are covered again with a great mass of blossoms. By blooming so constantly, the new shoots are not as large as with the old Crimson Rambler, but the wood is more firm and less subject to mildew another point in its favor. The plant is exceedingly hardy, having successfully withstood the test in exposed situations of very severe winters. A magnificent everblooming rose for covering trellises, walls, porches, etc., as they succeed under any circumstances and bloom wonderfully profuse throughout the summer. It is one of the finest and best novelties of recent introduction and will be very popular. **Price,** two-year-old field grown plants, each 35c; 10 for $3.00.

Maman Cochet (Page 48)



Madame Ravary (Page 48)

THE BLUE ROSE. Veilchenblau or Violet Blue. This new climbing rose surpasses all others of recent introduction in having a pure blue color. The flowers appear in large clusters after the manner of the Crimson Rambler, are semi-double and of medium size. Upon first opening the color is partly bright red and partly bright blue, turning soon a steel blue. The color is best described by saying that it resembles that of early violets. This variety is a strong grower, has shining green foliage and few thorns. It has not been troubled with mildew and is classed among the hardiest climbing roses, withstanding the winters very successfully. Our Blue Roses were imported from the originator by ourselves, so they are true to name. They are two-year, strong plants, and will bloom the first year.

In my garden I have a Blue Rose in tree form. It makes a very pretty weeping tree, growing vigorously; but I cannot say that it is a free bloomer. Does not bloom as much as a Crimson Rambler. The flowers attract a good deal of attention, though, owing to their peculiar color.

Price: Strong plants, 30c each; 10 for $2.70.

HARDY CLIMBING ROSES—(Continued)

DOROTHY PERKINS. In general habit closely resembling the Crimson Rambler, but of a beautiful shell pink, full and double, of an unusually large size for a Cluster Rose. The trusses are made up of from 20 to 40 flowers. I consider this to be the finest of all climbing roses. Each, 25c; 10 for $2.25.

PRAIRIE QUEEN. An old standby variety, and very popular. Flowers bright golden red, globular; large and compact. Very strong grower. Each, 25c; 10 for $2.25.

SEVEN SISTERS. (Grevillea.) White and crimson, making it unique, as both white and crimson flowers may be seen on the plant at the same time. Blooms in large clusters. Each, 25c; 10 for $2.25.

THOUSAND BEAUTIES. (Tausendschoen.) The most sensational Climbing Rose yet introduced, not even barring Crimson Rambler. A single cluster of flowers is a bouquet in itself, hence the very fitting name, "Thousand Beauties." Blooming profusely from the beginning of June until the last of July, the flowers appear in large clusters (10 to 15 in a cluster), are of splendid size and quite double. The colors run from delicate balsam to tender rose through the intermediate shades of bright rose and carmine, with white, yellow and various other indescribable tints showing. There is no other rose in cultivation like it. It is a strong grower, with but few thorns, and magnificent foliage. The most remarkable rose of its kind in the world. After trying this rose a number of years, I can recommend it to my customers. It is fine as a climber, in baby form, and as a tree rose. **Price,** 30c each; 10 for $2.80.

YELLOW RAMBLER. (Aglaia.) It is related to the Crimson Rambler, and like it, blooms in large trusses. Flowers very double, very fragrant, of light yellow color. Each, 25c; 10 for $2.25.

THALIA. A white Rambler. Grows very strong and vigorous. The flowers are pure white, in very large panicles. A very free bloomer and much superior to the old White Rambler. Very hardy. Interwoven with a Crimson Rambler, the effect is very pleasing. Try it. **Price,** 25c each; 10 for $2.30.

Red Baby Rambler

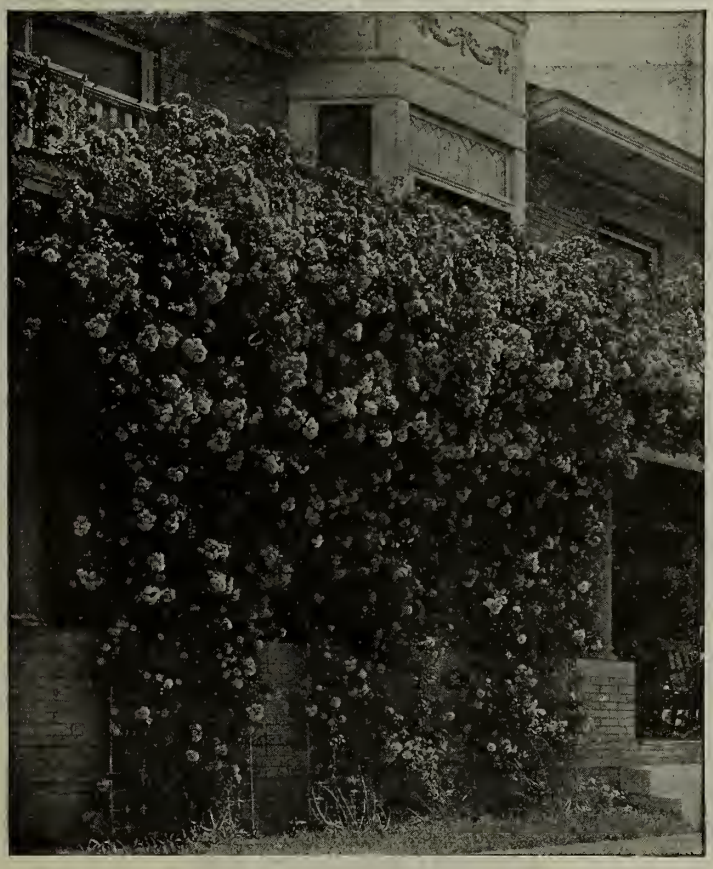
BABY RAMBLERS

(Dwarf Polyantha Roses)

A type of Roses which is very popular for bedding purposes, or for borders around rose beds, or along walks. They form shapely, compact, bushy specimens about 18 inches high and produce in great profusion immense trusses of small flowers from May till severe frost.

RED BABY RAMBLER. (Madame L. Levavasseur.) One of the best hardy bedding roses in existence. The plants are very vigorous and grow 18 to 24 inches high. The foliage is dark, glossy green and remarkably free from insects and fungus. The flowers are borne in clusters of 20, 30 or more to the cluster, in every way resembling the blossoms of the Climbing Crimson Rambler. It is perfectly hardy and blooms all the time indoors, and from May to November outdoors. Splendid for making a border. **Price,** each 25c; 10 for $2.20.

BABY DOROTHY. (Maman Levavasseur.) This magnificent Baby Rambler is equally as meritorious, if not more so than Red Baby Rambler, which has become so famous. Of dwarf growth, it blooms practically all the time, producing in amazing quantities large clusters or panicles of its beautiful pink flowers, which are full and double, the color of which is almost identical with the flowers of Dorothy Perkins. Entirely hardy. **Price,** Each, 25c; 10 for $2.20.



Dorothy Perkins

CATHERINE ZEIMET. A most beautiful companion to the Crimson Baby Rambler, growing to the same height and bearing great masses of double, pure white flowers, covering the plants as with a mantle. The roses are delightfully scented, reminding one somewhat of a hyacinth. **Price,** 25c each; 10 for $2.20.

BABY TAUSENDSCHOEN. (Thousand Beauties.) A grand novelty of the Baby Rambler type. Flowers appear in large clusters the same as with the climbing "Thousand Beauties," are of a good size, of the same beautiful colors, all shades from pink to white and yellowish. Blooms all summer. A grand novelty that is sure to give satisfaction. 30c each; 10 for $2.80.

ANNIE MUELLER. One of the very best of the Baby types. The flowers come in clusters, but with longer stems and are not so close together and, therefore, more graceful. Are a shining, beautiful pink, and after the rose is fully opened the petals roll up, not unlike a Cactus Dahlia. I am sure you will like this variety. **Price,** 25c each; 10 for $2.30.

ORLEANS. Brilliant geranium red, suffused rose, with white center, making a charming combination of colors. Very free blooming. Decidedly the best in its color. **Price,** 25c each; 10 for $2.30.

ERNA TESCHENDORFF. The new Polyantha Rose of the future. It beats all red Baby Rambler varieties of roses. The color is more intensive fiery red than Gruss an Teplitz, and the blooms are more double and fuller than the old Red Baby Rambler. The flower does not get a bluish shade and the blooms stand hot weather well. Can't be matched for forcing; not to be beaten for bedding purposes. Received prizes at Berlin and Hamburg flower shows. **Price,** 50c each; 10 for $4.70.

Tree Rose

MISCELLANEOUS ROSES

RUGOSA RUBRA. Plant grows 4 to 5 feet high and is very ornamental with its beautiful, large, glossy foliage, distinctly wrinkled. Blooms all season. Flowers single, very large, of a most beautiful bright rosy crimson, succeeded by large berries of a rich red color. Makes a beautiful low hedge. **Price,** 20c each; 10 for $1.75.

RUGOSA ALBA. Same as the above, except that the roses are pure white. **Price,** 20c each; 10 for $1.75.

TREE ROSES

These are grafted on hardy rose stalks, 4 feet high, are tree shaped, and when in full bloom are fine objects of beauty, making handsome plants for the lawn, or as border plants along the sidewalks or driveway. They are coming into popular favor and at the low price we are offering them this year, everyone can set out a few of these pretty tree roses in his yard or on the lawn. **Tree Roses cannot be sent by parcel post.**

CRIMSON RAMBLER TREE ROSES. No other rose is so well adapted for growing in tree form. The branches droop gracefully and reach nearly down to the ground, forming a regular weeping tree. Price, 70c each; 10 for $6.50.

HYBRID PERPETUAL TREE ROSES. These hardy, free blooming roses we have in the following colors: **Red, Pink and White. Price.** 70c each; 10 for $6.50.

EVERBLOOMING MONTHLY TREE ROSES. We can furnish the following colors: **Red, Pink, White and Yellow. Price,** each $1.00; 10 for $9.00.

BABY RAMBLER TREE ROSES. A most attractive novelty in hardy roses. Budded on strong, straight stems, four feet high; the round, bushy Baby Rambler is at all times a perfect mass of crimson bloom. Most florescent of all roses, blooming continually until late in the fall. **Price,** 70c each; 10 for $6.50.

A THOUSAND BEAUTIES TREE ROSE. The picture of the Thousand Beauties Tree Rose which we show on this page was taken last summer in my garden. The tree was then two years old, growing the third year, and had over one thousand roses on at one time. It bloomed for sometime over three weeks. No tree could be prettier. The roses are double, and from pink to shell pink to pure white. Here we wrap the tree over winter with long straw or slough hay, but south of here, the tree would be perfectly hardy. As this variety is really a climbing rose, it droops its branches very gracefully when grafted on a rose stem. **Price,** about 4 feet high, 90c each; 10 for $8.00.

ROSA RUGOSA, LARGE FRUITED EDIBLE

Fine garden roses, with dense foliage of deep polished green. These roses are natives of Japan, and bloom from May to September. In winter the bushes are covered with very decorative bunches of large scarlet or crimson, or orange fruit. The fruit is edible and of good flavor. Flowers have a purplish red color and we also have them in pure white.

ROSA RUGOSA JAM. To each pound of fruit allow one and one-half pints of water, and one and one-half pounds of loaf sugar. Prepare the "hips" by cutting them in halves across, and scooping out all the seeds and hairy insides very carefully. Boil the water and sugar until it thickens. Then put in first the less ripe "hips;" afterward adding the ripe ones. Simmer gently until soft, an hour or longer, as necessary. When the fruit is golden yellow, it is the finest for jam. When a crimson red, it is often too ripe and soft. Use cane sugar, not beet sugar.
Strong plants, each 40c; 10 for $3.50.

EVERGREEN MEMORIAL ROSES

The Memorial Roses are of the most charming and unique beauty, very valuable wherever an absolutely hardy Climbing Rose is required, forming lovely objects in the garden while in bloom, and splendid for covering unsightly objects.

WICHURIANA. (White Memorial.) The plant clings closely to the ground, rapidly branching and covering any surface. The flowers appear in July and continue throughout the season, forming showy clusters of pure white blossoms. Single and of sweet fragrance. Entirely hardy everywhere. Used extensively in cemeteries, rock work, etc.
Each, 20c; 10 for $1.75.

SUMMER ROSES

The roses of this species are summer or spring bloomers, but they flower so profusely and their rich coloring is so intense that they deserve a place in all collections. These roses bear on the terminals of a preceding year's growth, and pruning must be done just after blooming.

MADAME PLANTIER. Flowers are pure white, large, full and double; produced in great abundance early in the season. Hardy. Suitable for cemetery planting.
Each, 20c; 10 for $1.75.

PERSIAN YELLOW. The hardy yellow rose of your mother's garden. Perfectly hardy. Flowers are semi-double, and a golden yellow in color.
Each, 25c; 10 for $2.25.

For prices of all plants that can be sent by parcel post, see pages 64, 65, 66, 67.

THE FAMOUS SOUPERT ROSES

ALWAYS BLOOMING

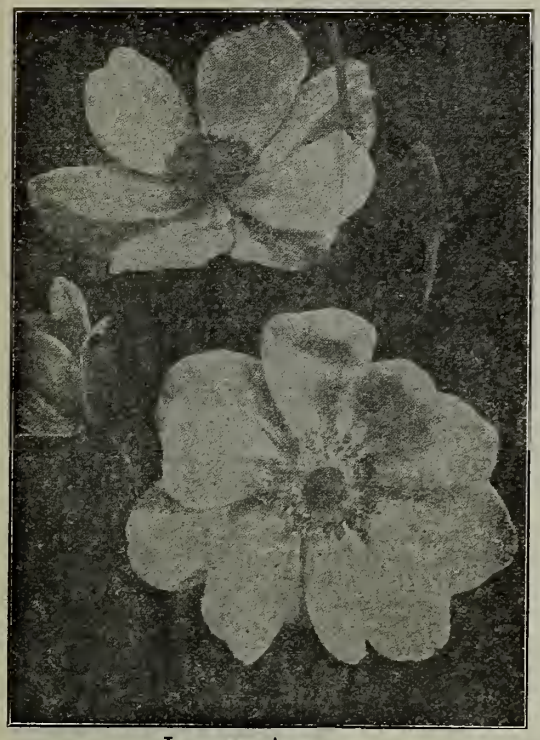
CLOTHILDE SOUPERT. A grand free flowering rose. Fine for bedding out or pot culture. Flowers are very double and handsomely formed, with outer petals pearl white, shading to a center of rosy pink.
Price, 25c each; 10 for $2.25; 100 for $20.00.

CATHERINE SOUPERT. Identical with Clothilde Soupert, except in color of flowers, which is a clear, lively pink and at a distance resembles a carnation. Has the same stock, sturdy habit of growth, blooms as freely, with large handsome flowers. Same form as Clothilde Soupert. **Price,** 25c each; 10 for $2.25.

Divide, Wyo., May 9, 1914.
The trees ordered from you arrived in fine shape; got them all set out. GEORGE F. McGOWEN.

A Thousand Beauties Tree Rose

HERBACEOUS PERENNIAL PLANTS



Japanese Anemone

Perennials have never been so popular as they are at the present time. Their permanency appeals to all. They are planted once and are always there; living through the winter with little or no protection, the flowers become better as the plants grow older. Will grow well in any soil, which may be enriched with decomposed manure or bone meal. The varieties we list are all perfectly hardy, the tops dying down in winter, but coming up early in the spring. Our prices are for field grown plants. These plants cannot well be shipped by freight in a box. They should go by parcel post or express, so we give prepaid prices only.

ACHILLEA. "THE PEARL"

The finest of all plants for cemetery planting. The plants grow about 15 to 20 inches high and are completely covered with double pure white flowers from July until frost. A fine cut flower. Is daintily formed, quite double flowers are borne on long stemmed, branching sprays so profusely as to give a refreshing, cool, airy effect through summer heat and late into fall. **Price,** 15c each; 10 for $1.00 by paid parcel post.

ANEMONE JAPONICA

JAPANESE WIND FLOWER

These beautiful hardy plants are not appreciated as they should be. They make a magnificent garden show and furnish an abundance of cut flowers. They commence blooming in August and increase in beauty until heavy frost. We grow the following varieties:

WHIRLWIND. Flowers semi-double, pure white.
BRILLIANT. Beautiful dark red.
QUEEN CHARLOTTE. Flowers very large, semi-double, color a soft pink.

Price, each 15c; 10 for $1.25, by paid parcel post.

Aquilegia, Columbine

AQUILEGIA (Columbine)

The Columbines have established a place in all old-fashioned gardens. Their curious forms and many pleasing shades of color and the readiness with which they adapt themselves to all localities, have made them prime favorites. See illustration.

CHRYSANTHA. The Golden Columbine. Flowers very numerous, 2 to 3 inches across, bright yellow. In bloom all summer. Height 3 to 4 feet. Easily grown in any good garden soil.

COERULEA. The true Rocky Mountain Columbine. An exquisite flower, with pale blue sepals and white petals. Grows about 1½ feet high and blooms from May to July.

VULGARIS. The well-known garden Columbine, in all shades of blue and purple. Very free blooming. Height, 2 feet.

Price, each 15c; 10 for $1.25, by paid parcel post.

Achillea. The Pearl

ARTEMESIA PONTICA

Beautiful plant for border or filling in within the shrubbery. The foliage is silvery white, finely cut, and has a peculiar agreeable fragrance. I have used this plant with good success to hold steep banks and terraces, especially on a south exposure, where blue grass will not grow. Used thousands of them in the Beatrice Athletic Park, to hold up the steep banks. Grows readily in any soil, and can stand any amount of heat and dry weather.

Price, 7c each; 10 for 50c; $4.50 per 100, by paid parcel post. Per 1000, not prepaid, $22.00. Plant 12 inches apart each way for holding banks.

BOLTONIA ASTEROIDES (Starwort)

Tall, bushy plants producing an abundance of aster-like white flowers from August to September. Excellent for cut flowers and produces grand effects when planted in masses. The plants grow 3 feet high and bloom very profusely.

Price, 10c each; 10 for 90c, by paid parcel post.

PERENNIAL PLANTS—(Continued)

Canterbury Bells

COREOPSIS

COREOPSIS, YELLOW. One of the most popular hardy plants. The flowers are a rich golden yellow, of graceful form and invaluable for cutting; in bloom from June till autumn. It succeeds everywhere. Height 1½ to 2 feet. A group of these plants furnishes an unfailing mass of rich glowing color. The plants grow vigorously in any sunny situation. Should be more freely planted.

Price, each 10c; 10 for 90c, by paid parcel post. See illustration at bottom of this page.

COREOPSIS ROSEA. Grows 8 to 12 inches high, and blooms from July until September. Flowers are rosy pink, with yellow center, with dark green cut-leaf foliage. A very interesting foreground plant. **Price,** 15c each; 10 for $1.20, postpaid.

ASTERS (Michaelmas Daisies)

These are among the showiest of our late flowering hardy plants, giving a wealth of bloom at a season when most other hardy flowers are past, and for best effect should be planted in masses of one color. They grow freely in any soil.

MULTIFLORUM. The plants form bushes 2 to 3 feet tall, literally covered with pretty little white flowers. Blooms September and October.

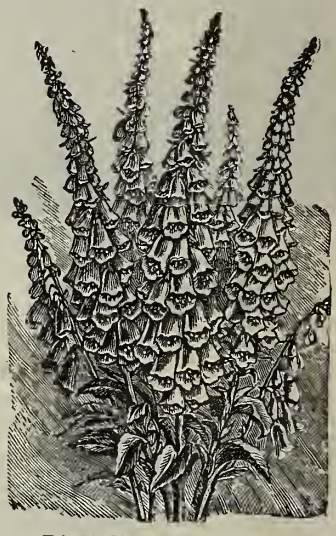
NOVAE-ANGLIAE. New England Aster. The richest and gayest of our native Asters; has the largest flowers and is usually conceded to be the finest. It ranks "among the best of all hardy border plants." Its stout, leafy stems, vary from 3 to 5 feet in height, and its beautiful violet-purple flowers appear from September to October.

TARTARICA. 2 to 3 feet high, free flowering. Blossoms large, of a lovely bluish color. Blooms in October.

Price, 12c each; 10 for $1.00, by paid parcel post.

SONDEREGGER'S DWARF ASTER. I think this is one of the best novelties in Asters. It is very dwarf, 6 to 8 in. high, branches well and blooms so freely that the blossoms almost cover the leaves. The flowers are of medium size, whitish lavender with yellow center. For a border around a fall Aster or perennial bed, I do not know of a better plant. This fall it was admired by everybody who saw it. Although this is a novelty, I am offering it at low prices.

Price, 25c each; 10 for $2.00, by paid parcel post.



Digitalis or Foxglove
(Page 55)

CANTERBURY BELLS (Campanula)

An old-time favorite, growing 2 to 3 feet high and bearing in great profusion very pretty bell-shaped flowers. The Campanulas give to our gardens exceedingly pretty flowers for almost every situation, moist or dry, sunny or shaded, and the flowers are produced even in summer drought. Valued for cut flowers. See illustration. Shades, blue, white and rose mixed. **Price,** 15c each; 10 for $1.25, by paid parcel post.

CHRYSANTHEMUM

We offer an assortment of the hardy varieties. They flower profusely in October, after everything else in the garden has been killed. They are excellent for cut flowers and bouquets. Sure bloomers and satisfactory growers that should be included in all orders. Even after several light falls of snow, in sheltered positions, it is sometimes possible to cut uninjured clusters of beautiful flowers. The fine thick foliage makes a good screen or background, and their own blossoms spring into fullest beauty when the earlier flowers are gone.

LARGE FLOWERING YELLOW. Height 2½ feet. Very fine double flowers.

DWARF WHITE. 2 ft. high. Flowers medium size. Very pretty.

TALL WHITE. Height 2½ to 3 feet. Fine double.

LARGE FLOWERING PINK. Height 2½ feet. Splendid variety.

Price, each, 12c; 10 for $1.00, by paid parcel post.

Coreopsis

DIANTHUS
(SWEET WILLIAM)

Charming, hardy plants, are great favorites in every garden. Stems 12 to 18 inches high. Flowers in greatest profusion, in large, round-topped clusters. Sweet William gives masses of color as brilliant as any of our perennials. Splendor lasts five weeks, then, if the fading branches are cut away, fresh ones appear at intervals all summer. **Price,** each 15c; 10 for $1.25, by paid parcel post.

Dianthus, Sweet Wiliam

PERENNIAL PLANTS—(Continued)

BLEEDING HEART (Dicentra)

Bleeding Heart, the popular name of the Dicentra is derived from the curious heart-shaped blossoms with the drop of blood below. These fine hardy perennials were great favorites in the old gardens. Fine for the border or margins of shrubbery. In the spring these plants bear beautiful heart-shaped flowers of a light red color. The stems grow 12 to 18 inches high, with abundant, deeply cut leaves of light green color.

Price, 20c each; 10 for $1.75, by paid parcel post.

DIGITALIS or FOXGLOVE

An old-fashioned flower that should be planted in quantity. Succeeds under all conditions and furnishes a grand display during July and August. The flowers are very showy, thimble shaped and are borne close together on stalks 3 to 4 feet high. For backgrounds and contrast among shrubbery, it is a very fine plant. Grows well in a half shady position.

GLOXINIAEFLORA ALBA. White, large flowering. Fine for cutting.

GLOXINIAEFLORA ROSEA. Rose colored. Bright and showy.

Price, 15c each; 10 for $1.25, by paid parcel post.

DESMODIUM PENDULIFLORUM
(SWEET PEA SHRUB)

A most magnificent shrub, being covered from first of September till frost, with red pea blossoms in enormous quantities. In fact, so many flowers are on the branches that they give to the plant a drooping effect which greatly enhances its beauty. Grows to a height of about four feet. Does well here in Nebraska and is perfectly hardy here. The branches all freeze to the ground in the fall and come up again in the spring. North of here it might be well to cover with a little straw over winter. See picture below taken in my garden. **Price,** 35c each; 10 for $3.00, by paid parcel post.

EULALIA (Miscanthus)

Beautiful hardy ornamental grasses with handsome foliage and numerous feathery panicles, 4 to 6 inches long. It will thrive in almost any kind of soil. Plants grow 3 to 5 ft. tall and are among the best and most popular grasses for groups, bedding purposes or hedges. Splendid in corners of the house.

LINEATUM. Striped Eulalia. The leaves are striped green and white. It is very ornamental.

Price, each 15c; 10 for $1.25 by paid parcel post.

ZEBRINA. Zebra Grass. Leaves banded crosswise with green and light yellow. Brilliant and effective for hedges.

Price, each 15c; 10 for $1.25 by paid parcel post.

DELPHINIUM (Larkspur)

One of the finest sights of modern gardens is a good collection of blooming Larkspurs. They give us the greatest abundance of flowers and utmost variety in tints and shades of blue during June and July. The Delphiniums make good border backgrounds. Although the plants thrive in any good garden soil, a deep, rich loamy one, with sunny exposure is best.

FORMOSUM. Showy plants, growing 2 to 3 feet tall. Flowers deep blue with violet spurs. The stout stems are clothed with fine delicately cut leaves. Blooms persistently through the summer.

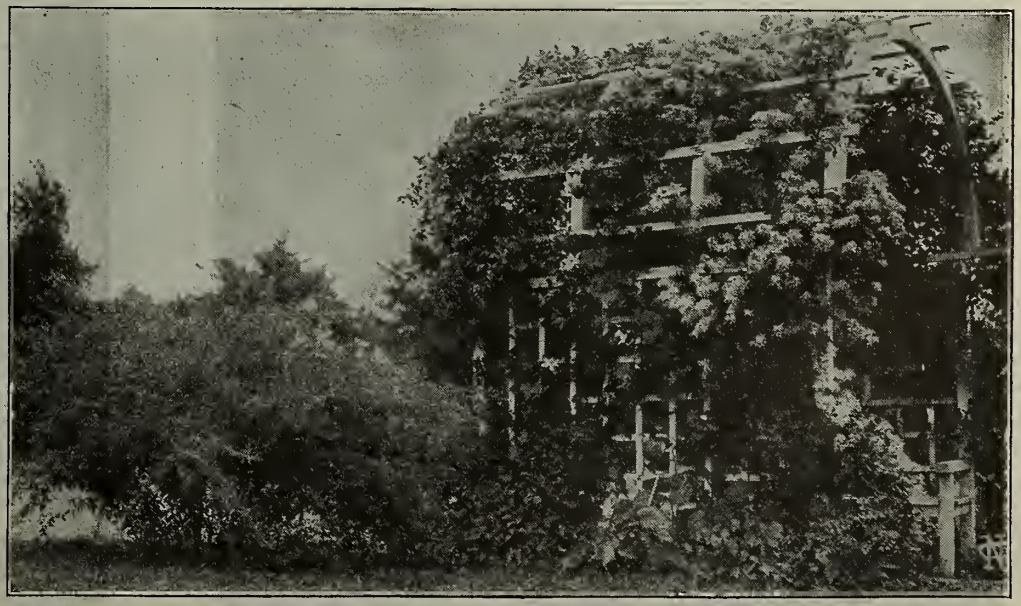
CHINENSIS. The Chinese Larkspur. A fine and sturdy old type, fascinating because of its many variations as well as for its beauty. The leaves are finely cut and fern-like, the flowers single or double and colors ranging from clear deep blue to creamy white. For about ten weeks of mid-summer it makes a grand display of bloom.

Price of above varieties, each 15c; 10 for $1.25, by paid parcel post.

PHALARIS (Ribbon Grass)

A tall, hardy grass with variegated foliage and a common plant in old-fashioned gardens. It thrives in almost any kind of soil or exposure. Stems 2 to 5 feet tall, with graceful drooping foliage.

Price, each 15c; 10 for $1.25, by paid parcel post.



Desmodium (Sweet Pea Shrub)

Arbor covered with Clematis Paniculata
(See description, page 46)

Eulalia Grass in Bloom (See page 55)

MALLOW MARVELS

Most Gorgeous Perennial Creation of the Twentieth Century

The plants are perfectly hardy, and grow from strong, fleshy roots to a height of 6 to 8 feet in one season. They seem to thrive in almost any soil, having a preference, however, for a moist, rather than a dry situation. In the last days of July the blooms appear and continue until late fall. The huge flowers, some of them measuring over ten inches in diameter, come in the most gorgeous and brilliant shades of crimson, white and pink. They seem to be immune from the attacks of insects or scale, and we have yet to find anyone who cannot be successful with them. As regards their hardiness, we can only say that in the coldest regions of Canada they have withstood a temperature many degrees below zero, without any protection. You can't make a mistake in getting the gorgeous Mallow Marvels. They are sure to please you, as they have thousands of others. We can supply them Pink, Crimson and White. **Price,** for heavy, strong roots, 35c each; 10 for $3.00. By paid parcel post, heavy plants, 50c each.

PERENNIAL PLANTS—(Continued)

GAILLARDIA GRANDIFLORA

Among the everblooming hardy plants there is none more showy or ornamental than this. Flowers borne in prodigal profusion from June to frost; useful for cut flowers. They are of gorgeous coloring, dark red-brown in center with bands of crimson orange and vermilion, meriting the popular title of "Aurora Flower." Height 2 feet. **Price,** 15c each; 10 for $1.20, by paid parcel post.

HOLLYHOCKS

Among the very finest of old hardy garden plants the Hollyhock still holds a proud place and may be termed one of the great powers of July. It has the widest range of colors among tall garden plants. Flowers are very showy, produced in great abundance on long towering spikes. Height 6 to 8 feet. Blooming period June to August. We have the **Double White, Double Dark Red, Double Pink, Double Maroon, Double Yellow.**

Price, 15c each; 10 for $1.25, by paid parcel post.

HIBISCUS (Rose Mallow)

Tall, free-flowering, hardy plants with remarkably large and showy flowers. Thrives in most loamy soils, producing throughout a long period numerous mammoth flowers, sometimes 6 to 8 inches across. Plant grows 3 to 5 feet tall.

Price, for the following varieties: 15c each; 10 for $1.25, by paid parcel post.

CRIMSON EYE. Flowers very large, creamy white, with crimson center.

MOSCHEUTUS. Extra large, beautiful flowers of a light rose color and with a purple eye.

Yucca

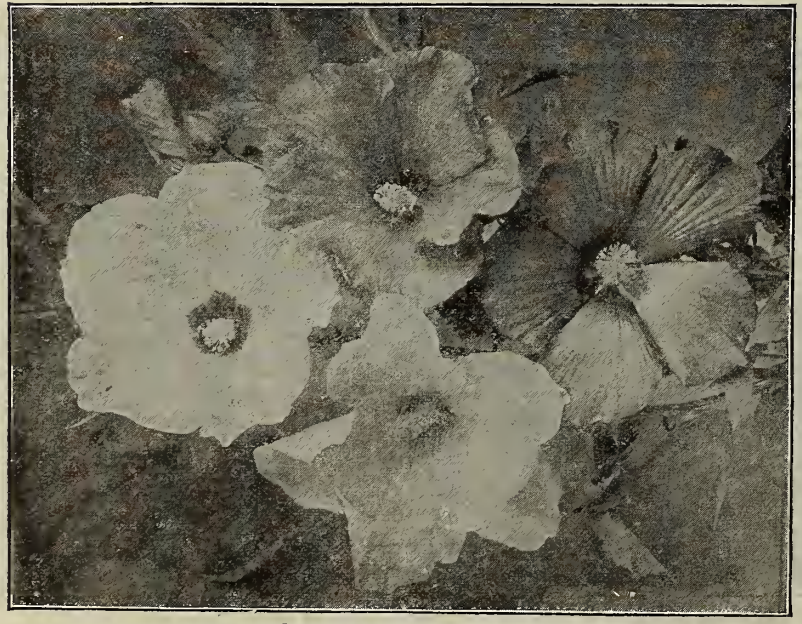
VIOLA ODORATA

(Sweet Scented Violet)

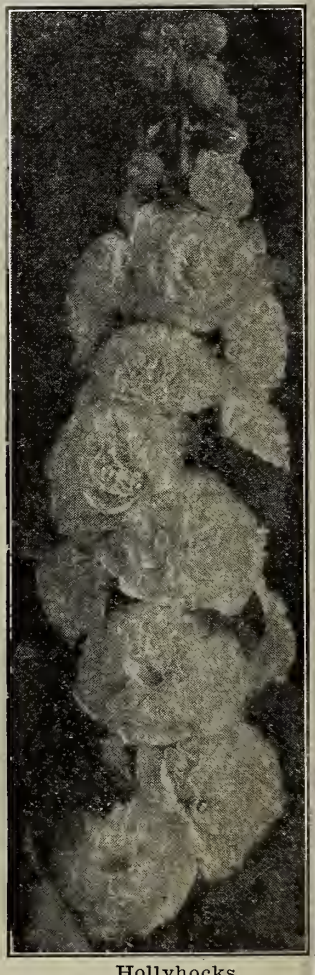
Well known favorite, abundant and fragrant blossoms, does best in cool, moist situation; blooms early spring and in fall. **Price,** 10c each; 10 for 80c; 100 for $7.00, postpaid.

YUCCA FILAMENTOSA (Adam's Needle)

Tropical looking plant with long narrow leaves; remains green the entire year. Grows in clumps and throws up a flower stalk 3 to 4 feet high, from which hang from 100 to 300 creamy white, bell shaped flowers. It blooms a long time. A fine plant for the lawn or cemetery. 12c each; 10 for $1, by parcel post.



Mallow Marvels, Crimson and White



Hollyhocks

PERENNIAL PLANTS—(Continued)

FUNKIA (Day Lily)

LANCIFOLIA. Narrow Leaved Day Lily. Hardy plant with lily-like flowers, forming dense clumps of foliage. The leaf blades are 4 to 6 inches long. Flowers pale lilac, nodding, borne in long, loose racemes. Height 18 inches. Blooms August. They thrive well in deep soil in a half shady position. **Price,** each 15c; 10 for $1.25, by paid parcel post.

FUNKIA GRANDIFLORA. A fine, pure white, large trumpet-flowered, and exceedingly fragrant species, with handsome, broad light green foliage. **Price,** each 15c; 10 for $1.25, by paid parcel post.

LEMON LILY (Hemerocallis Flava)

These are among the oldest and best loved of garden plants. Very hardy and persistent, they need no winter protection and thrive in any good soil, preferring, however, a rich, moist loam. For garden borders and waterside planting few perennials are more satisfactory. A good clump of this fine old lily, when blooming in June and July, lights up the border superbly with many tall stems of fragrant, waxen, clear yellow blooms. Grows about 2 feet high. **Price,** 10c each; 10 for 80c, by paid parcel post.

PLATYCODON (Chinese Bellflower)

An extra good, very hardy and free flowering perennial. Grows 1½ to 2 feet high. Flowers are a lovely shade of blue and they come from June until October. We also have them in pure white. This is one of the most free flowering plants, and I cannot understand why it is not planted more. It grows well in sunny or shady places, almost in any soil, and does not need much attention. Useful for bouquets in a time when flowers are scarce. The price is low and you will get plenty of flowers the first season.

Price, either blue or white, 12c each; 10 for $1.00, by paid parcel post.

SALVIA

BLUE SAGE. Rocky Mountain species that grows 3 feet tall and produces pretty sky-blue flowers in August and September. Exquisite for cutting; one of the finest plants for the border. Very hardy.

Price, each 10c; 10 for 90c, by paid parcel post.

Pages 64, 65, 66, 67, for parcel post prices not given elsewhere.

Stokesia

Tritoma

Shasta Daisy

STOKESIA (Stoke's Aster)

This beautiful plant grows 1 to 2 feet high, and produces in great profusion Aster-like flowers from 4 to 5 in. across; it is of easy culture, succeeding in any open position, used as a cut flower and for planting in masses in the hardy border. Each 15c; 10 for $1.25, by paid parcel post.

RUDBECKIA (Golden Glow)

A fine, hardy plant that should find a place in every garden. It will be found excellent for cut flower purposes. Plant attains a height of 4 to 6 feet and will produce hundreds of large blossoms of brilliant, golden yellow color during August and September. **Price,** each 12c; 10 for $1.00, paid parcel post.

SHASTA DAISY

Remarkably large, semi-double daisies, 3 to 4 inches across and pure white, with petals in two or more rows about a golden center. The plant is extra vigorous and maintains a fine show of great flowers throughout the summer and autumn. A splendid border plant and of great value for cutting.

Price, each 15c; 10 for $1.25, by paid parcel post.

TRITOMA

FLAMING TORCH. 3 to 4 feet high. Dazzling scarlet, lower half tinged with rich orange. In the North the roots should be taken up in the fall. Blooms August to October. **Price,** each 20c; 3 for 50c, by paid parcel post.

ORIENTAL POPPIES (Papaver Orientale)

These are the regal representatives of this popular genus, far surpassing in splendor of bloom all the annual and biennial kinds, and for a gorgeous display of rich and brilliant color nothing equals them during their period of flowering in May and June, and whether planted single or in masses their large flowers and freedom of bloom render them conspicuous in any position. They are of easiest culture; almost any kind of soil suits them, but they do best in deep, rich loam; set the plants out in fall or very early spring; give them water occasionally during dry spells in the early part of the season; mulch with stable litter in fall, and they will increase in size and floriferousness for several years. **Price,** assorted colors, 25c each; 10 for $2.30, by paid parcel post.

Dexter, Mo., 9-8-1914.

I will write you a few lines to tell you my luck with my catalpa trees, I bought from you last spring. I ordered 1,500, set them six feet apart and cultivated them. Planted corn between them and they have grown fine, some few of them are four feet high, or maybe higher; they will average thigh high over the patch. I don't expect over one hundred of them died. I have not counted to see, but I think they have done fine, considering the season, for we sure had a dry one. G. W. DOWDY, R. No. 2.

PERENNIAL PLANTS—(Continued)

HARDY PHLOXES

Hardy Phlox

The ease with which they are cultivated, season of blooming, combined with the varied and beautiful coloring, make them particularly valuable for garden planting. In bloom from June till late autumn. Phloxes are very effective either as single specimens, in small groups, or large beds on the lawn. They produce a beautiul and harmonious contrast when massed against a background of shrubbery. We offer a carefully selected collection, all field-grown plants.

FRAULEIN VON LASSBURG. The purest snow white. Flowers larger than any other white sort. Tall, extra fine. Each, 25c; 10 for $2.00, by paid parcel post.

LOTHAIR. Flesh color, with deep red eye; very pretty. Each, 15c; 10 for $1.30, by paid parcel post.

LUMINEAUX. Carmine red, with blush center. Each 20c; 10 for $1.75, by paid parcel post.

RICHARD WALLACE. Pure white with maroon center. A tall grower and a variety not usually seen. Each, 20c; 10 for $1.75, by paid parcel post.

SIR EDWIN LANDSEER. Bright glowing crimson. The best red. Of robust, tall growth and a free bloomer. Each 20c; 10 for $1.75, by paid parcel post.

MADAME BYZANSON. The very best of the crimson varieties. Holds the color a long time. **Price,** each 20c; 10 for $1.75, by paid parcel post.

SUNSET. Dark rosy pink, a beautiful variety of medium height. **Price,** each 20c; 10 for $1.75, by paid parcel post.

PHLOX SUBLATA. Creeping plants with evergreen moss-like foliage. When in bloom almost completely hidden under a blanket of rose-colored flowers in early spring (here in May), often blooming again through the summer. Height of plant about 6 inches. **Price,** 15c each; 10 for $1.20, by paid parcel post.

HARDY FERNS

I offer below only very hardy Ferns, natives of Minnesota. They do well in shady and half-shady places in the garden and park, and are often used for growing close to houses in corners which are too dark for most plants. On the other hand, many of them will grow in places which receive considerable direct sunlight, though very few enjoy full exposure to the sun, at least under ordinary garden conditions.

While the native ferns are, of course, perfectly hardy, most of them are better off with a light covering of leaves in winter. In their natural habitat they are usually well covered with leaves and snow throughout the winter. The hardy ferns do not make satisfactory house plants. Most ferns ripen up their leaves in the fall and remain dormant all winter, even under favorable conditions.

MAIDENHAIR FERN. (Adiatum Pedatum.) One to three feet high. Frond, forked at the summit of the slender, polished, black stalk, the recurved branches bearing on one side several slender, spreading pinnate divisions; pinnae oblique, triangular oblong.

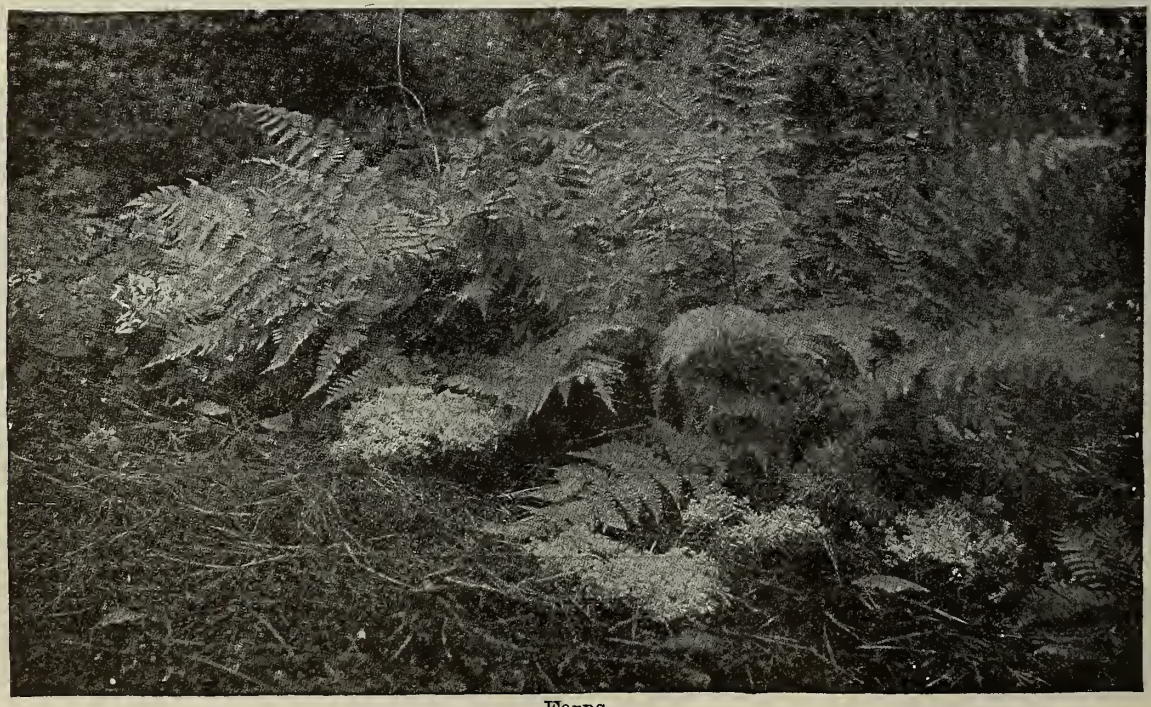
Price, 25c each; 10 for $2.00, by paid parcel post.

WOOD FERN. (Aspidium Spinuiosum.) The plant varies greatly in height, breadth and way of holding itself. Sometimes the fronds stand three feet high and are broad and spreading. Again they are tall, slender and somewhat erect. At its best it grows with almost tropical luxuriance and is a plant of rare beauty, its fronds having a certain feathery aspect.

Price, 25c each; 10 for $2.00, by parcel post.

CINNAMON FERN. (Osmunda Cinnamonea.) A large fern, growing in a crown 2 to 5 feet high. Sterile fronds broadly lance-shaped, once pinnate; pinnae cut into broadly oblong divisions that do not reach the midvein, each pinnae with a tuft of rusty wool at its base beneath. The plant is a superb one when seen at its best. Its tall, sterile fronds curve gracefully outward. The Osmundas are easily cultivated and group themselves effectively in shaded corners, while they will do fairly well in the most exposed sunlight. **Price,** 30c each; 10 for $2.50, by paid parcel post.

FERNS CONTINUED ON PAGE 59



Ferns

PERENNIAL PLANTS—(Continued)

FERNS—(Continued)

OSTRICH FERN. (Onoclea Strutiopterus.) Grows in a crown 3 to 10 feet high. Fronds, broadly lance-shaped, once pinnate; pinnae divided into narrow, oblong segments which do not reach the midvein. Great plume-like frond of a rich green. This magnificent plant luxuriates on soil which is subject to an annual overflow. Its vase-like masses of foliage suggest the Cinnamon Fern, but the fertile fronds are dark green while those of the Cinnamon Fern are golden brown. The Ostrich Fern does well under cultivation and it propagates sometimes by means of underground runners.

Price, 30c each; 10 for $2.50, by paid parcel post.

GERMAN IRIS (Iris Germanica)

The true "Fleur-de-Lis," the national flower of France. They are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water. Plants well established produce from 50 to 100 spikes of bloom. In beauty the flowers rival the finest orchids. The plant grows 18 to 24 inches high. We offer the following selected varieties:

FLORENTINA ALBA. Extremely free flowering, and very beautiful white, sweet scented blossoms. One of the best.

HONORABILIS. Fine yellow with lower petals of maroon. An odd, but very pretty Iris.

PLICATA. Dark purple, lower petals lilac. The best dark colored Iris.

CELESTE. A soft shade of light blue, changing into lavender. A fine and beautiful shade.

Price of all of the above varieties, 7c each; 10 for 60c; by paid parcel post.

German Iris

CHOICE MIXED VARIETIES. Each, 7c; 10 for 50c, by paid parcel post.

Tiger Lily (See page 60)

ANGELO. Bluish-purple, center of petals white with cream band.

HERMOINE. White, maroon center, petals penciled in blue.

BLUE JAY. Sky-blue, veined white.

MONT BLANC. Pure white, large and fine.

SNOWDRIFT. Single, pure white.

YOKOHOMA. Double, reddish-purple.

Price of above six varieties of Japanese Iris, 25c each; 10 for $2.20, by paid parcel post.

ALL SORTS MIXED, 20c each; 10 for $1.70, by paid parcel post.

SIBERIAN IRIS (Iris Sibirica)

Tall and slender growing, with flowers like those of the German Iris in structure, but smaller and much more numerous. The plant forms clumps and blooms so freely that its deep blue blossoms give solid color effects. Hardy, thrives in almost any soil. Each, 15c; 10 for $1.25, by paid parcel post.

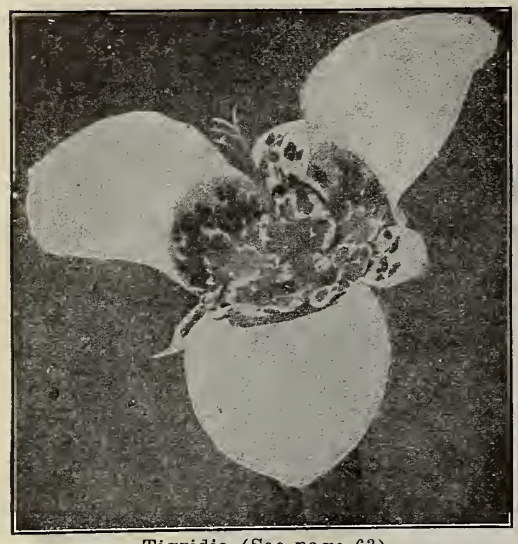
SPANISH IRIS

Have long, narrow leaves, thin, erect stems, and delicately formed small flowers in all colors and combinations of colors. Everybody admired them in my garden last summer. **Price,** mixed colors, 6c each; 10 for 50c; 100 for $4.00, by paid parcel post.

JAPANESE IRIS
(Iris Kaempferi)

Finest of all the Iris family. The flowers are of immense size, from 6 to 8 inches in diameter, and of the most beautiful, delicate shades. Are perfectly hardy, and will flower in profusion during June and July. A well estalished plant gives a dozen or more flower stalks 2 to 3 feet high, each stalk producing two to four enormous blooms. These plants prefer a cool, moist situation, but do well in most any good position. We offer some of the very finest varieties in cultivation.

Japanese Iris



Tigridia (See page 63)

PERENNIAL PLANTS—(Continued)

LILIUM (The Lily)

With a well selected collection, Liliums may be had in bloom from June to October. They should be planted in the fall, from October 1 as long as the soil can be worked; and in spring until the first of May. Plant about 5 inches deep.

AURATUM. (Gold Banded Japan Lily.) Flowers are very large, broad, white petals, thickly studded with crimson maroon, bright golden band through center of each petal. Stalks frequently have from 12 to 15 flowers of immense size. Large bulbs, each 20c; 10 for $1.80, by paid parcel post.

LONGIFLORUM. A well known variety, with snow-white trumpet shaped flowers that are very fragrant. Quite hardy and blooms freely in the open ground in June and July. Each, 25c; 10 for $2.25, by paid parcel post.

SPECIOSUM RUBRUM. Flowers white with crimson band on each petal. Large and very fragrant. Perfectly hardy. Grows 2 to 3 feet high. Blooms in August. Large bulbs, each 25c; 10 for $2.25, by paid parcel post.

DOUBLE TIGER LILY. Perfectly hardy; easily grown lily, with very large double flowers of rich orange color, spotted with black. Exceedingly pretty. Each 15c; 10 for $1.25, by paid parcel post.

LILIUM CANDIDUM. (Madonna Lily.) Large, pure white, fragrant flowers. This Lily should be planted in early autumn. Each 15c; 10 for $1.40, by paid parcel post.

PAEONIES

Few hardy perennials are so suited to any position in the garden or lawn as the Paeony. The gorgeous display of flowers is very effective, rivaling the rose in beauty. They are also well suited for massing in beds all by themselves. A good, rich, deep soil and sunny situation suits them best, but they will thrive in almost any soil. Our plants are field grown, strong and well rooted with 3 to 4 eyes. In comparing prices with other growers, please bear this in mind. We offer the following selected varieties which we consider the best for general planting:

COURONNE D'OR. (Crown of Gold.) Large imbricated flower, white with yellow shadings, center petals flaked carmine. One of the finest white varieties. **Price,** 30c each; 10 for $2.50. By paid parcel post, 35c each.

DELACHEI. Very late, rich deep crimson. Flower is large and well formed. Grows tall and is one of the best dark colored varieties. **Price,** 25c each; 10 for $2.00. By paid parcel post, 30c each.

Paeony, Mrs. Douglas

Longiflorum Lily

GRANDIFLORA. Very beautiful light crimson. Stems are tall and strong. Is a late bloomer. **Price,** 25c each; 10 for $2.00. By paid parcel post, 30c each.

FESTIVA MAXIMA. About the largest and undoubtedly the most popular Paeony of them all. High built flowers, borne on long stiff stems; the purest white, the inner petals slightly tipped with carmine. Very handsome foliage, enormous full double flowers, with very broad petals. A vigorous grower and early bloomer. **Price,** 45c each; 10 for $4.00. Postpaid, 50c each.

COUNT DE MANTEUIL. Dark rose, petals tipped with white. Large fine flowers. **Price,** 25c each; 10 for $2.00. By paid parcel post, 30c each.

PRINCE IMPERIAL. Brilliant, purplish-scarlet. Fine bloomer. **Price,** 25c each; 10 for $2.30. By parcel post, 30c each.

ROSA PLENISSIMA. A bright, clear rose, full centered, double, dwarf and compact grower. Each 25c; 10 for $2.30. By paid parcel post, 30c each.

MRS. DOUGLAS. Pure white, except center petals, are slightly rose tinted. Center finely fringed. Midseason. Each 50c; 10 for $4.50. By paid parcel post 55c each.

Paeony, Festiva Maxima

PAEONIES—(Continued)

GENERAL CANBY. Flowers purplish rose. Outer petals broad, inner well fringed, flesh tipped with yellow. Tall, blooms early. **Price,** 30c each; 10 for $2.50. By paid parcel post, 35c each.

SINGLE PAEONIES

ALBIFLORA. Very large flower, rosy white, turning to pure white. Mid-season. **Price,** 40c each; 10 for $3.00. By paid parcel post, 45c each.

CARDINAL. A brilliant red, striped dark and bordered with light yellow stamens; foliage very dark, stems almost red. Mid-season. **Price,** 40c each; 10 for $3.50. By paid parcel post, 45c each.

SUMMER BLOOMING BULBS

Bulbs for spring planting require scarcely any care and quickly make a gorgeous display while the bulbs can be kept over winter and year after year will return a hundred fold in beauty and satisfaction the trifling expense of the original cost.

CANNAS

The grandest of all bedding plants. Of quick growth and tropical appearance. Throughout the summer they present a mass of gorgeous colors until withered by frost in the fall. I give the heights of the plants, right after the name. Cannas need a good deal of water and a liberal dose of liquid manure should be applied from time to time. Never let the bed get weedy or baked hard.

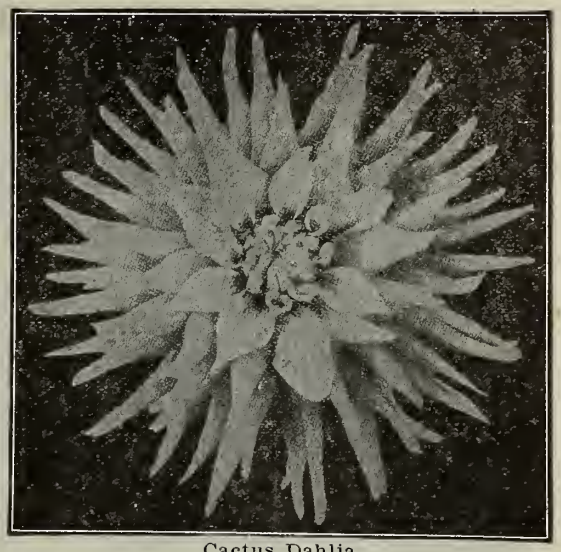
FLAMBEAU. 6 feet. Very vigorous, strong grower, and exceptionally free bloomer. Flowers are very large, often 6 inches in diameter; are of a peculiar salmon red or reddish yellow color, with a gold colored narrow border around the outside of the petals. A bed of about 40 plants in my garden was admired by everybody who saw it. One of the very best Cannas I have seen. I can recommend it to all my customers. I am sure this Canna will please you. **Price,** 25c each; 10 for $2.20, by paid parcel post.

UNCLE SAM. 4-5 feet. Strong grower, leaves are large. Flowers come in immense clusters; are of a very bright scarlet color, and do not turn purple, like some red Cannas. If you want a very glowing red, plant the Uncle Sam. **Price,** 20c each; 10 for $1.80. By paid parcel post, 20c each.

VARIEGATED LISZT. A splendid variety. Strong grower and large flowers, variegated, yellow and red, with other shades. A profuse bloomer, and one of the earliest. **Price,** 25c each; 10 for $2.00.

BURBANK. 3½ feet high. Green leaves, yellow flowers with carmine spots in throat. Each, 12c; 10 for $1.00. By paid parcel post, 15c each.

C. W. Benton Dahlia



Cactus Dahlia

DAVID HARUM. 4 feet high. Dark red flowers. Foliage dark bronze. Very fine. Each, 12c; 10 for $1.00. By paid parcel post, 15c each.

PENNSYLVANIA. 5 feet. Deep scarlet flowers, very large. Leaves green. Each, 12c; 10 for $1.00. By paid parcel post, 15c each.

MADAME BERAT. 4 feet. Green leaves. Flowers of a lovely pink. Fine. Each, 15c; 10 for $1.25. By paid parcel post, 18c each.

BUTTERCUP. 3 feet. Deep yellow, very clear; beautifully effective; foliage green. Each, 12c; 10 for $1.00. By paid parcel post, 15c each.

INDIANA. 6 feet high. One of the gorgeous "Orchid Flowering" class. Soft orange, lightened by flecks of gold, slightly margined with deep rose. Each, 15c; 10 for $1.25. By paid parcel post, 18c each.

KING HUMBERT. 5 feet. Orchid flowering. Its flowers measure 6 inches in diameter, produced in gigantic trusses, a brilliant orange scarlet with bright red markings; foliage broad and massive, of a rich coppery bronze. Each, 15c; 10 for $1.00. By parcel post, 15c each.

VENUS. The softest and daintiest blossom that ever crowned a Canna plant. Warm, rosy pink of waxen texture, with an irregularly mottled border of creamy yellow. The green foliage is clean and brilliant. 3½ feet. Each, 12c; 10 for $1.00. By paid parcel post, 15c each.

AUSTRIA. This grand mammoth Canna grows 5 or 6 feet high, with leaves 15 to 18 inches long, and 8 to 10 inches broad; the flowers are 6 to 7 inches across, and borne erect in large, bold clusters; color pure, deep golden yellow; truly magnificent. 15c each; 10 for $1.20. By paid parcel post, 18c each.

NO. 1 COLLECTION FOR CANNA BED. Round, 7 feet in diameter; 3 Indiana (center); 6 Madame Berat (next row); 12 Buttercup (outer row). These 21 plants will make a splendid bed. All properly labeled. **Price,** $1.80. By parcel post, $2.20.

DAHLIAS

These showy and pretty flowers are becoming very popular, and justly so. The Dahlia is one of the showiest of all Fall flowers, commencing to bloom in July and continuing until frost. Price named is for **large** roots.

CATHERINE DUER. Decorative Dahlia. Large double flowers of fiery red color. Each, 20c; 3 for 50c, by paid parcel post.

MRS. WINTERS. Decorative Dahlia. Large, elegant shaped flowers of snow white color. Each, 20c; 3 for 50c, by parcel post.

JACK ROSE. Decorative. The best crimson for garden cutting; that crimson red that makes the Jack Rose so popular and suggested the name. Each, 20c; 3 for 50c, by parcel post.

C. W. BENTON. Bright yellow flowers on good long stems. Fine for cutting. Each, 20c; 3 for 50c, by parcel post.

CACTUS DAHLIAS

Undoubtedly the finest of all Dahlias. The large flowers are of beautiful cactus form with twisted petals, giving great depth to the flowers.

KRIEMHILDE. The finest of all Dahlias. Flowers extra large, outer edge brilliant pink, shading to white. Each, 25c; 3 for 65c, by parcel post.

DAHLIAS CONTINUED ON PAGE 62.

SUMMER BLOOMING BULBS

(CONTINUED)

DAHLIAS—(Continued)

WINSOME. Lovely, large, creamy white. Each, 20c; 3 for 50c, by parcel post.

FLORADORA. A most valuable addition to the cactus list. A marvel of productiveness and of exquisite form. Deep blood red, very early. Height, 3 feet. Strong tubers, 20c each; 10 for $1.75, by parcel post.

HOHENZOLLERN. Beautifully formed, large flowers of rich, orange red, with golden sheen. Each, 25c; 3 for 65c, by parcel post.

MRS. BENNET. Deep crimson red. Good long stems. **Price,** each 25c; 10 for $2.20, by parcel post.

MRS. CHAS. TURNER. Very large flowers, well quilled, clear canary yellow. **Price,** each 25c; 10 for $2.20, by parcel post.

ST. CATHERINE. Large bronze colored flowers, good long stems and well quilled. Each, 25c; 10 for $2.20, by parcel post.

POMPON DAHLIAS (Double)

These are the small Bouquet Dahlias that are so popular as cut flowers. They make nice plants and bloom freely.

LITTLE HERMAN. Beautiful little flowers of deep red, with white tips. Each, 15c; 3 for 40c, by parcel post.

SNOW CLAD. Finest white dwarf; an early bloomer. Each, 15c; 3 for 40c, by parcel post.

SINGLE FLOWERED DAHLIAS

Single Dahlias should be more largely planted. They are of real merit, very pretty. You will be agreeably surprised by their exquisite beauty.

TWENTIETH CENTURY. One of the most beautiful orchid flowering single varieties. The flowers are of immense size, the color intense crimson, with white disk around center, white tips. Each, 25c; 3 for 65c, parcel post.

QUEEN WILHELMINA. Large flower, pure white with yellow center. Free bloomer and long stems. 30c each; 10 for $2.70, by paid parcel post.

AMARYLLIS FORMOSISSIMA

JACOBEAN LILY. Splendid, showy plants, suitable for garden and house culture. The large lily-like flowers are of a rich, deep velvety crimson color. Is a free bloomer and of easiest culture. For pot culture should be well drained and potted in soil composed of leaf mold and light loam, but will grow well in any rich soil. Each, 15c; 10 for $1.20, by paid parcel post.

Montbretia (Page 63)

Calla, Spotted Leaf

CALADIUM

ELEPHANT'S EAR. A splendid, tropical appearing plant, usually growing 4 to 5 feet high. Very showy leaves, often growing 3 feet long. Of easy culture. They are used to a great extent for large beds, together with Cannas; also as single specimens or as groups on the lawn. For obtaining tropical effects in lawn and garden this beautiful plant takes a prominent place. Will grow in any good garden soil, but to get the best results they should have plenty of water and good rich soil. When at its best stands 6 to 7 feet high, with bright green leaves 3 to 4 feet long and 2½ feet wide.

EXTRA LARGE SIZE BULBS. Each, 15c; 3 for 40c; 20c each by paid parcel post.

LARGE SIZE BULBS. Each, 10c; 3 for 25c; 10 for 75c. 15c each by paid parcel post.

Caladium

CALLAS

SPOTTED-LEAF CALLA, MRS. ROOSEVELT. Plants of remarkably vigorous growth, with tall, finely spotted leaves, and large (though not as large as Elliottiana) bloom of a light yellow shade. **Price,** 20c each; 10 for $1.50, by paid parcel post.

GOLDEN YELLOW. (Richardia Elliottiana.) This is the best of the Yellow Callas, its flowers being as large as the popular white variety, but of a rich, lustrous golden yellow of velvety texture. The foliage is dark green, with translucent creamy white spots, which add much to its beauty. Strong bulbs, 25c each; 10 for $2.25, by paid parcel post.

TUBEROSES

EXCELSIOR PEARL. This variety is characterized by its short, robust stem and long spikes of flowers, perfectly double and twice the size of the common Tuberose. Spikes frequently bear 30 to 50 flowers. They are always wax-like and pure white. Large bulbs, each 5c; per dozen, 40c, by paid parcel post.

GLADIOLUS

The Gladiolus is the most attractive of all summer flowering bulbs and deserves a place in every garden, as it is sure to do well with little care. For best results they should have a sunny position and light, sandy soil. Flowers are of almost every desirable color. By cutting the spikes when two or three of the lower flowers are open and placing them in water, the entire spike will open beautifully. Plant bulbs in April or May for early, and late June for fall blooming.

KUNDERDI "GLORY." With "Ruffled Petals." Broadly expanded, wide open flowers, paired by twos, all face in the same direction and are carried on straight stout stalks, fully 3½ feet. From three to eight of these handsome flowers are open at one time. Each petal is exquisitely ruffled and

Gladiolus

SUMMER BLOOMING BULBS—(Continued)

GLADIOLUS—(Continued)

fluted. The color is a delicate cream pink, with a most attractive crimson stripe in the center of each lower petal, the shade of which is unique in Gladioli. The ruffling of the petals in this new strain has attracted much attention the world over. **Price,** 20c each; 10 for $1.85, by paid parcel post.

PRINCEPS. The $1,000 Gladioli. Its wonderful size of flower, perfect shape, brilliant coloring, and artistic form of flower spike are each so notably an improvement over all other varieties that all place it in the front rank. Flowers are 5 to 7 inches broad, petals wide and rounded, forming an almost circular flower. The color is brilliant crimson, carrying mostly three broad, white blotches on the lower petals. Spikes 4 feet in height produce 12 to 15 flowers. **Price,** 20c each; 10 for $1.85, by paid parcel post.

AUGUSTA. A lovely and useful variety, pure white with blue anthers. Each, 6c; 50c per 10; $4.00 per 100, by parcel post.

AMERICA. Conceded to be one of the finest varieties for cutting or bedding ever sent out; color a beautiful soft flesh-pink; orchid-like in its coloring and texture; growth and habit perfect. Each, 10c; 75c per 10; $5.50 per 100, by parcel post.

KLONDIKE. Light yellow, with crimson blotch. A very desirale variety for cut flowers. **Price,** each 15c; 10 for $1.20, by paid parcel post.

OUR SUPERB GENERAL MIXTURE. Composed of fine sorts in all colors, in **first size bulbs only.** We have tested many brands of mixtures, some of them costing twice as much as this, but have never seen any which surpassed it in variety of coloring or general excellence. 10 for 35c; 50 for $1.50; 100 for $2.50, by paid parcel post.

Summer Hyacinth

MONTBRETIA

One of the brightest and best summer flowering bulbs. Plant in clumps of 6 to 12 in May or June. In larger beds they will also make a splendid showing. They greatly resemble the Gladioli in growth and produce beautiful spikes of star-shaped flowers in various shades of orange, yellow and red. Hardy, with slight covering over winter, and they will improve in size of flowers when left in the open ground undisturbed year after year. Mixed varieties, 3 for 10c; per doz., 30c; 100 for $2.25, by paid parcel post.

SUMMER HYACHINTH

The flower stems grow 3 to 4 feet high and are loaded with very pretty, drooping, bell-shaped flowers of ivory white. The plant will grow well in dry soils. A splendid bulb to plant in the perennial border, as it is hardy and need not be taken up in the fall. Plant in rear of bed on account of its tall growth. Each, 5c; per dozen, 50c, by paid parcel post.

TIGRIDIA

These gorgeous flowers look well associated with Gladioli, Lilies and kindred stock; grow about 1½ feet high, and flower freely throughout the summer. Flowers come in shades of red, yellow, white, and are spotted. They require the same treatment as Gladioli. **Splendid Mixture,** each 5c; per doz. 50c, by paid parcel post.

ZEPHYRANTHES

FAIRY LILY OR ZEPHYR FLOWER

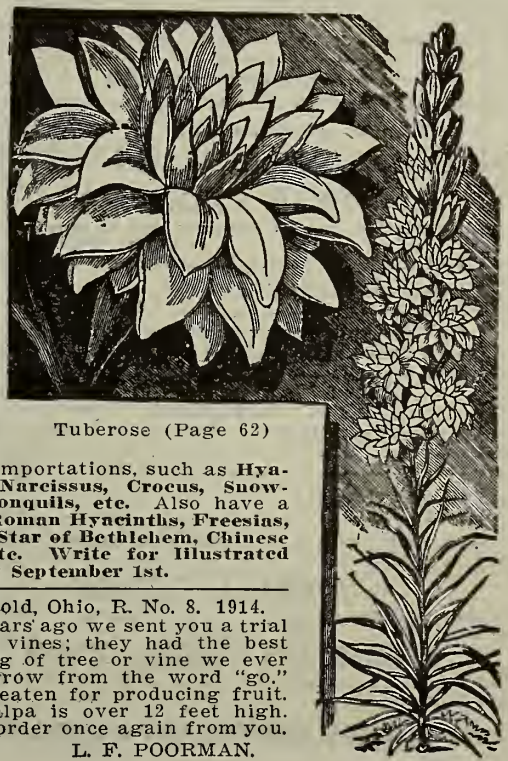
One of the prettiest and most easily grown bulbs; very effective for masses or borders, flowering profusely all summer. Also suitable for pot culture. Put six bulbs in a 6-inch pot in the fall and you can have a fine display during the winter. The plants grow about 8 inches in height. One of the good things in bulbous flowers that is so often overlooked, but deserves to be planted in every garden. Once planted it will always be planted again the next season. Each, 5c; 10 for 45c, by paid parcel post.

We pay freight charges on all orders for Trees and Plants (not seeds) amounting to $10.00 or more.

Zephyranthes

WINTER BLOOMING BULBS

For fall planting, either for house culture or early spring blooming in the garden we offer a large assortment of choice **Holland Bulbs,** our own importations, such as **Hyacinths, Tulips, Narcissus, Crocus, Snowdrops, Scillas, Jonquils, etc.** Also have a choice stock of **Roman Hyacinths, Freesias, Japanese Lilies, Star of Bethlehem, Chinese Sacred Lilies, etc. Write for Illustrated Price List, ready September 1st.**

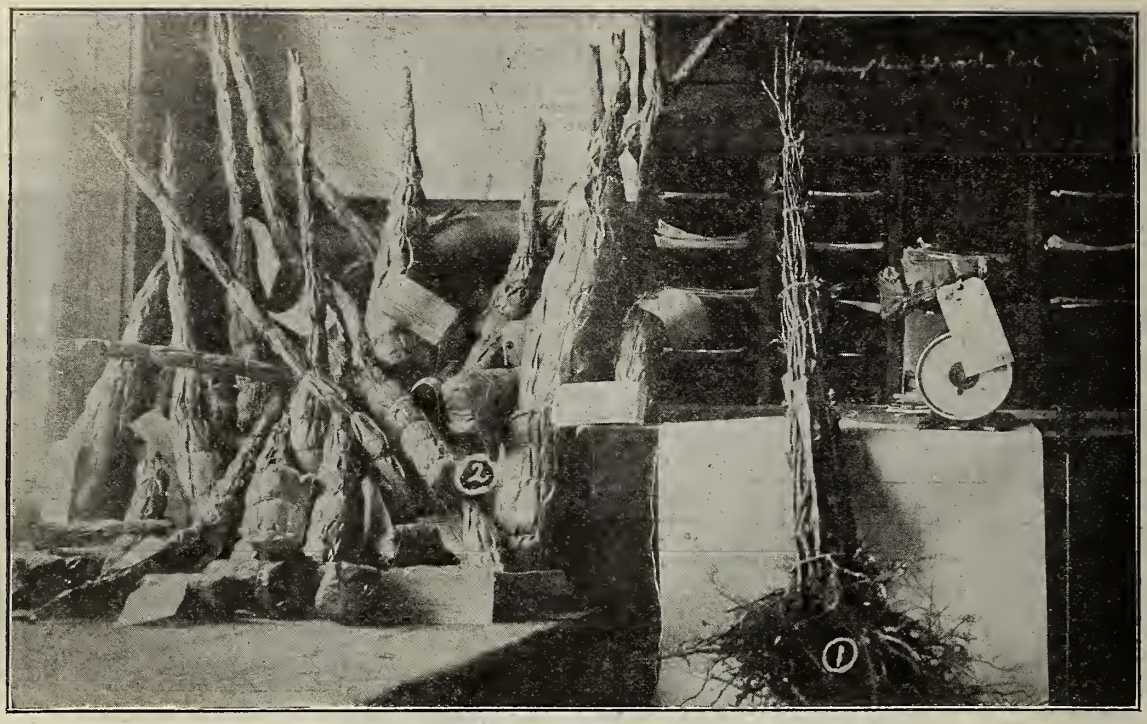


Tuberose (Page 62)

Archbold, Ohio, R. No. 8. 1914.

Some over six years ago we sent you a trial order for grape vines; they had the best roots of anything of tree or vine we ever bought. They grow from the word "go." and cannot be beaten for producing fruit. One of the Catalpa is over 12 feet high. That is why we order once again from you.

L. F. POORMAN.



Parcel Post—TREES AND PLANTS BY MAIL—Parcel Post

TREES OF SIZES LARGER THAN QUOTED BELOW CANNOT BE SENT BY MAIL

I can now send trees and plants of suitable sizes by **Parcel Post**, and they will be delivered right at your door. No need of going to town after them, and I know they will not cost you more than half as much as if you buy of an agent. **I pay postage on all mail packages.** The prices here below are for goods delivered at your door.

Trees will be well rooted, sound and healthy, and of 2 to 3, or 3 to 4 feet sizes, so you will know exactly what you will get. Larger trees cannot go by parcel post, as the circumference and length of a package cannot exceed six feet. Always use prices given below if you wish trees by parcel post.

APPLE TREES

All varieties given in this catalogue, **except Delicious:**

	Each	Per 10	Per 100
2-3 feet	$0.10	$0.95	$ 9.00
3-4 feet	.18	1.60	15.00
Delicious:			
2-3 feet	.12	1.15	11.00
3-4 feet	.18	1.70	16.00

Crab Apple—All varieties, same as Apple.

Dwarf Apple, all varieties:			
2-3 feet	.33	3.20	.....
3-4 feet	.40	3.90	.....

PEAR, STANDARD

All varieties, **except Bartlett and Anjou:**

	Each	Per 10	Per 100
2-3 feet	$0.21	$2.00	$19.00
Bartlett and Anjou:			
2-3 feet	.24	2.30	.....
3-4 feet	.29	2.80	.....
Dwarf Pear, all varieties:			
2-3 feet	.21	2.00	.....

CHERRY

	Each	Per 10
All Sour Varieties:		
2-3 feet	$0.21	$2.00
3-4 feet	.32	3.00
Sweet Varieties:		
2-3 feet	.21	2.00

Sweet varieties in 3-4 feet size cannot well go by parcel post.

CORNELL-CHERRY

2-year plants ..... 45c each 10 for $4.00

COMPASS CHERRY PLUM

2-3 feet ..... 24c each 10 for $2.20
3-4 feet ..... 33c each 10 for 3.10

ROCKY MOUNTAIN CHERRY

2-3 feet ..... 20c each 10 for $1.80

PLUM—All Varieties, Except Sapa

2-3 feet ..... 21c each 10 for $2.00
3-4 feet ..... 32c each 10 for 3.00

SAPA PLUM

2-3 feet ..... 40c each 10 for $3.50
3-4 feet ..... 55c each 10 for 4.80

APRICOTS—All Varieties

2-3 feet ..... 23c each 10 for $2.10

QUINCE—All Varieties

2-3 feet ..... 34c each 10 for $3.30

NECTARINES—All Varieties

3-5 feet ..... 41c each 10 for $4.00

PEACH

All varieties, **except Mayflower, Muir and Phillips Cling:**

	Each	Per 10	Per 100
2-3 feet	$0.11	$0.90	$ 8.50
3-4 feet	.19	1.70	16.00
Mayflower:			
2-3 feet	.17	1.50	14.00
3-4 feet	.24	2.20	20.00
Muir and Phillips Cling:			
1-1½ feet	.07	.60	6.00
1½-2 feet	.10	.90	8.00
2-3 feet	.13	1.10	10.00

RUSSIAN MULBERRY

	Per 100	Per 1000
4-8 inch	$0.26	$2.20
8-12 inch	.35	3.00
12-18 inch	.50	4.50
18-24 inch	$0.02 each 10 for $0.15	100 for $1.50
2-3 feet	.05 each 10 for .35	100 for 3.00

AMERICAN MULBERRY

All varieties: 3-4 feet ..... 32c each 10 for $2.80

PERSIMMON

12-18 inch ..... 9c each 10 for 80c 100 for $6.00

PARCEL POST—TREES AND PLANTS BY MAIL—PARCEL POST

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ELDER BERRY

2 feet high ..... 20c each 10 for $1.80

BUFFALO BERRY

2-3 feet ..... 25c each 10 for $2.10

DWARF BLUEBERRY

Nice plants ..... 17c each 10 for $1.50 100 for $14.00

JUNEBERRY

Strong plants ..... 25c each 10 for $2.00

NUT TREES

		Each	Per 10
Sober Paragon Chestnuts, very heavy		$1.40	.....
American Sweet Chestnuts	12-18 in.	.07	$0.60
Japan Walnuts	12-18 in.	.20	1.60
English Walnuts	2-yr. seedlings	.12	1.00
Franquette Walnuts	12-18 in.	.22	1.90

		Each	Per 10	Per 100
Butternuts	12-18 in.	$0.06	$0.50	$4.00
Black Walnuts	12-18 in.	.03	.20	1.50
Shellbark Hickory	12-18 in.	.06	.50	4.50
Pecan Seedlings	18-24 in.	.20	1.80	14.00
Pecan, Stuart	18-24 in.	1.00	9.00	.....
Filbert, Early Frauensdorf	18-24 in.	.30	.....	.....
Common Hazelnuts	18-24 in.	.15	1.30	.....

GRAPE VINES

			Each	Per 10
Caco	2-yr.	No. 1	$0.65	$6.00
Dakota	2-yr.	No. 1	.70	6.50
Concord	1-yr.	No. 2	.07	.60
Concord	1-yr.	No. 1	.08	.70
Concord	2-yr.	No. 1	.10	.90

Agawam, Brighton, Catawba, Clinton, Elvira, Ives, Moore's Early, Moore's Diamond, Niagara, Salem, Pocklington, Worden

2-year No. 1 ..... 11c each 10 for $1.00 100 for $9.00

			Each	Per 10
Campbell's Early	2-yr.	No. 1	$0.25	$2.25
Green Mt. and Lucile	2-yr.	No. 1	.30	2.80

Woodruff Red, 2-yr. No. 1: 17c each; 10, $1.50 100, $14

Thompson Seedless, Black Hamburg and Malaga:

2-year No. 1 ..... each 22c 10 for $2.00 100 for $18.00

White Tokay ..... 2-year No. 1 each 30c 10 for $2.80

GOOSEBERRY

	Each	Per 10
Downing, Pearl and Red Jacket: 2-year No. 1 plants	$0.18	$1.60
Industry and Oregon Champion: 2-year No. 1 plants	.28	2.40

		Each	Per 10	Per 100
Houghton	2-yr. No. 1	$0.14	$1.20	$11.00
Carrie	2-yr. No. 1	.30	2.80	26.00
Early Neuwied	2-yr. No. 1	.45	4.30	.....

CURRANTS

Fay's Prolific, Pomona, Victoria, London Market, Wilder, White Grape, Black Champion, Cherry

	Each	Per 10	Per 100
2-year No. 1	$0.12	$1.00	$9.00
Perfection 2-yr. No. 1	.28	2.60	22.00

BLACKBERRY

	Each	Per 10	Per 100
Early Harvest and Snyder	$0.06	$0.50	$ 3.50
Eldorado, Merserean and Rathbun	.07	.60	4.50
Iceberg	.10	.90	6.50
LaGrange	.18	1.50	12.00

DEWBERRY

Lucretia ..... 7c each 10 for 50c 100 for $3.50
Austin ..... 8c each 10 for 65c 100 for 5.50

HIMALAYA BERRY

13c each 10 for $1.10 100 for $9.50

LOGAN BERRY

28c each 10 for $2.60 100 for $22.50

RASPBERRIES

	Each	Per 10	Per 100
Cardinal and Columbian	$0.08	$0.70	$5.00
Miller, Turner and Cuthbert	.07	.50	3.00
St. Regis	.18	1.60	12.00
Carolina Golden	.22	1.80	17.00
Sunbeam	.12	.90	8.00
Cumberland, Gregg, Kansas	.09	.70	6.00
Earhart's Everbearing	.15	1.40	12.00
Hoosier	.15	1.20	9.00

STRAWBERRY-RASPBERRY

12c each 10 for 90c 100 for $7.00

STRAWBERRIES

All varieties, **except Everbearing:** 25 plants for 25c; 100 for 80c; 1,000 for $6.00.

Americus and Superb: 7c each; 12 for 50c; 100 for $3.00; 1,000 for $27.00.

RHUBARB

Both varieties ..... 15c each 10 for $1.10 100 for $6.50

ASPARAGUS

		Per 10	Per 100	Per 1000
Both varieties	1-yr. plants	$0.15	$1.00	$ 7.50
Both varieties	2-yr. plants	.20	1.30	10.00

HORSE RADISH

	Per 10	Per 100	Per 1000
Good, strong roots	$0.20	$1.80	$14.00

ORNAMENTAL AND SHADE TREES

These are too large to go by parcel post.

FOREST TREE SEEDLINGS

			Each	Per 10	Per 100	Per 1000
Alder (European)	18-24	inch	$0.05	$0.35	$2.70	.....
Ash (White)	4-8	inch	.....	.....	.30	$1.90
" "	8-12	inch	.....	.....	.40	3.00
Beech, European	12-18	inch	.05	.35	2.70	.....
" Blood Leaf	12-18	inch	.15	1.35	.....	.....
Black Locust	4-8	inch	.....	.....	.25	2.00
" "	8-12	inch	.....	.....	.35	3.20
Honey Locust	4-8	inch	.....	.....	.25	2.10
" "	8-12	inch	.....	.....	.40	3.60
Box Elder	4-8	inch	.....	.....	.25	2.30
" "	8-12	inch	.....	.....	.35	3.20
European Birch	15-18	inch	.05	.40	3.20	.....
Catalpa Speciosa	4-8	inch	.....	.....	.50	3.90
Wild Black Cherry	8-12	inch	.....	.15	.65	6.00
Cottonwood	8-12	inch	.....	.....	.30	2.50
Elm, White	4-8	inch	.....	.....	.30	2.40
" "	8-12	inch	.....	.....	.45	3.70
Hackberry	8-12	inch	.....	.....	.60	5.30
Horse Chestnuts	12-18	inch	.07	.55	4.00	.....
German Linden	18-24	inch	.07	.55	4.00	.....
American Linden	12-18	inch	.07	.55	4.00	.....
Hard or Sugar Maple	10-15	inch	.05	.35	2.35	20.00
Norway Maple	18-24	inch	.07	.55	4.00	.....
Soft or Silver Maple	8-12	inch	.....	.....	.40	3.50
European Mountain Ash	18-24	inch	.07	.45	3.50	.....
Russian Mulberry	4-8	inch	.....	.....	.30	2.50
" "	8-12	inch	.....	.....	.40	3.20
Osage Orange (Bois d'Arc)	4-8	inch	.....	.....	.30	2.50
"	8-12	inch	.....	.....	.40	3.50

PARCEL POST—TREES AND PLANTS BY MAIL—PARCEL POST

FOREST TREE SEEDLINGS—(Continued)

		Each	Per 10	Per 100	Per 1000
Russian Olive	12-18 inch			2.80	24.00
Pin Oak	8-12 inch	.07	.50	4.00	
Red Oak	8-12 inch	.07	.40	3.20	
American Sycamore	12-18 inch		.25	1.50	
Oriental Sycamore	18-24 inch	.07	.50	4.00	
Golden Willow	18-24 inch	.07	.50	3.20	

FRUIT TREE AND ROSE SEEDLINGS

	Each	Per 10	Per 100
Apple, from French Crab Seed, No. 2	$0.05	$0.25	$2.00
Pear, from French Pear Seed, No. 2	.05	.25	2.00
Doucine Apple (for Dwarf Apple) No. 1	.07	.45	3.75
Paradise Apple (for Dwarf Apple) No. 1	.07	.35	2.80
Mahaleb Cherry, No. 1	.07	.35	2.80
Mazzard Cherry, No. 2 (strong)	.07	.40	3.00
Myrabolan Plum, No. 1	.07	.40	3.00
St. Julien Plum, No. 1	.07	.35	2.80
Quince (for Dwarf Pear)	.07	.35	2.80
Rose Manetti	.07	.30	2.50
Rose Canina	.05	.30	2.50

CUTTINGS

	Per 10	Per 100	Per 1000
Golden Willow	$0.10	$0.40	$2.70
Laurel-Leaf Willow	.10	.50	3.95
Basket Willow	.10	.40	2.70
Diamond Willow	.10	.40	2.70
Carolina Poplar	.10	.45	2.80
Norway Poplar	.10	.55	3.95
Silver Poplar	.10	.45	2.80
Volga Poplar	.10	.65	5.50

HEDGE PLANTS

Osage, Honey Locust and Russian Mulberry Seedlings, see page 25.

			Each	Per 10	Per 100
Common Buckthorn	12-18	inch	$0.07	$0.60	$ 5.00
Barberry Thunbergi and Barberry Purple-Leaved	12-18	inch	.15	1.40	12.50
California Privet	12-18	inch	.07	.60	5.00
Amoor River Privet	12-18	inch	.09	.80	7.00
Lilacs and Spirea Van Houtti	12-18	inch plants	.17	1.60	15.00
Spirea Thunbergi	8-12	inch	.09	.80	7.00

EVERGREENS

American Arbor-Vitae	5-8	inch	$0.07	$0.25	$1.80
Chinese Arbor-Vitae	2-5	inch	.07	.40	2.50
Balsam Fir	4-8	inch	.07	.50	2.80
Douglas Fir	4-8	inch	.07	.50	2.80
Blue Spruce	4-6	inch	.07	.50	3.50
" "	10-12	inch, transplanted	.50	4.00	
Black Hill Spruce	3-6	inch	.07	.45	3.50
Norway Spruce	4-8	inch	.07	.40	2.80
" "	8-10	inch	.08	.60	3.80
Austrian Pine	6-10	inch	.07	.50	3.50
Scotch Pine	6-12	inch	.07	.50	3.10
White Pine	4-8	inch	.07	.40	3.00
Jack Pine	8-10	inch	.07	.40	3.00
Red Cedar	6-8	inch	.10	.90	8.00
Irish Juniper	8-10	inch, transplanted	.35	3.00	
European Larch	12-18	inch, transplanted	.15	1.00	8.00

FLOWERING SHRUBS

Althea
Barberry Vulgaris
Calycanthus
Cornus Florida
Cornus Siberica
Deutzia, both varieties
Weigelia Variegata
Flowering Almond, Pink and White
Forsythia, both varieties
Fringe, Purple and White
Honeysuckle, Morrowi
Hydrangea, Paniculata
Lilac, Purple and White
Weigelia Rosea
Moss Acacia
Mock Orange
Oleaster
Spirea Prunifl.
Spirea Billardi
Spirea Thunbergi
Sumac
Snowball

All 2 feet plants with good roots ..... 30c each 10 for $2.75

Highbush Cranberry
Variegated Leaved Elder
Tamarix Odessa
Golden Elder
Weigelia Eva Rathke

2 feet plants ..... 35c each 10 for $3.30

American Elder
Barberry Thunbergi
Flowering Currant
Globe Flowers
Japan Quince
Purple-Leaved Barberry
Russian Artemesia
Spirea Van Houtti
Spirea Anthony Waterer
Snowberry, White and Red Fruited
Tartarian Honeysuckle
Tamarix

2 feet plants ..... 25c each 10 for $2.20

Hydrangea, American Everblooming
Japanese Snowball

2 feet plants ..... 40c each 10 for $3.80

CLIMBING SHRUBS

Virginia Creeper, strong plants, 20c each 10 for $1.80
Chinese Matrimony Vine
Red Coral Honeysuckle
Strong plants ..... 25c each 10 for $2.30

Bitter Sweet
Hall's Japan Honeysuckle
Honeysuckle Aurea
Japan Kudzu Vine
Clematis Coccinea
Trumpet Vine
Wistaria, Purple and White

Strong plants ..... 30c each 10 for $2.80

Akebia
Clematis Ramona

Strong plants ..... 40c each 10 for $3.80

Ampelopsis Engelmani
Boston Ivy
Clematis Paniculata
European Trumpet Vine
Strong plants ..... 35c each 10 for $3.30

Clematis Jackmanni
Clematis Madame Andre
Clematis Henryi

Strong plants ..... 45c each 10 for $4.30

Aristolochia (Dutchman's Pipe)
Strong plants ..... 70c each 10 for $6.50

Cinnamon Vine, large tubers ..... 15c each 3 for 40c

Madeira Vines ..... 7c each 12 for 50c

PARCEL POST—TREES AND PLANTS BY MAIL—PARCEL POST

ROSES

Clio	Orleans
Baltimore Belle	Persian Yellow
Crimson Rambler	Prairie Queen
Celina	Prince Camille
Catherine Zeimet	Paul Neyron
Clothilde Soupert	Mrs. John Laing
Catherine Soupert	Red Baby Rambler
Dorothy Perkins	Seven Sisters
General Jacqueminot	Thalia
Glory of Mosses	Ulrich Brunner
Baby Dorothy	Yellow Rambler
Annie Mueller	White Bath

All strong, 2-year-old plants.....30c each 10 for $2.80

Baby Thousand Beauty	White Maman Cochet
Blue Rose	Queen of Colors
Kaiserin Augusta Victoria	Snow Queen
Madame Caroline Testout	Thousand Beauty Climber
Pink Maman Cochet	

All strong, 2-year plants.....35c each 10 for $3.30

American Beauty	Jonkeer Mock
Friedrichsruh	Killarney
Gruss an Teplitz	Excelsa
Hugh Dickinson	Otto von Bismarck
	Rhea Reid

New Everblooming Crimson Rambler

All strong, 2-year plants.....40c each 10 for $3.80

Juliett — President Taft
Strong 2-year plants .....45c each 10 for $4.30

Rayon d'Or — Erna Teschendorf
Strong 2-year plants.....55c each 10 for $5.30

Geo. Arends .....65c each 10 for $6.00

TREE ROSES Cannot well go by Parcel Post.

PERENNIAL PLANTS

All Perennial Plants are quoted by paid parcel post.

No. 37.

State Entomologist's Certificate of Nursery Inspection

THIS IS TO CERTIFY that on the 24th day of August, 1914, the growing stock and premises of the GERMAN NURSERIES, Carl Sonderegger, Proprietor, of Beatrice, Nebraska, was inspected, and no San Jose scale was found nor any indication that it had ever been present in the nursery or its vicinity. The stock is apparently in a healthy condition and free from other dangerous insect pests and fungus diseases.

This Certificate is good until July 1, 1915.

LAWRENCE BRUNER, State Entomologist,
By LEVEY M. GATA, Deputy.

Preston, Kans., 4-3-14.

I received my trees last evening, was in town when they arrived, opened up this morning—they are in fine shape, splendid roots and bodies. I congratulate you on your mode of packing and crating. No broken limbs or barked trees. I have my ground all prepared and will set them at once. I thank you for your courtesy and prompt shipment.

T. J. SHUMWAY.

Pueblo, Colo., 109-111 West B. St.
April 6, 1914.

The grape vines arrived here last Friday in very good shape, also in healthy condition. The County Agriculturist Examiner has examined them and found every one healthy and in good condition. I planted them at once and will let you know by next fall all about my success with them. Very thankful to you for the so very good vines and the packing and shipping of the same.

J. HILDENBRAND.

Sapulpa, Okla., 3-21-1914.

The shipment of trees are at hand, and I guess this will complete the planting for the spring. I am more than pleased with all the trees I have received from you this season. They are away beyond my expectations and much superior to trees I have seen others buying from other nurseries at a much higher price.

MERTON L. SMITH (R. No. 2.)

Mertzon, Texas, Feb'y 3, 1914.

The shrubbery arrived all O. K. by mail, has been planted nearly three weeks and every plant is putting out buds. My fruit trees, planted last fall, are all doing the same and some of the peach trees are blooming this week. We have had a very open winter and plenty of rain.

LEWIS M. GEER.

Kinrose, Mich., Feb. 10, 1914.

I will drop you a line and let you know that we got your catalogue all right, and we are going to send in an order to you soon. The trees we got of you have done fine, and we are well pleased, and many people make remarks about the trees we got of you, and think they are better far than any other trees of a higher price or better than larger trees. We have paid 50c apiece for trees, and they are not as hardy as a tree like I got from you. It is three years now since I sent an order to you and two of my trees are starting to bear now. We never lost one of the trees that came from your Nursery, and the orders we got of other nurseries we have lost just about half, after paying a big price for them. I have found out now that the apple trees we got of you are true to name, and the little cut-leaf Maple you sent me is growing and doing well.

ARTHUR M. HARRISON.

Jefferson Barracks, Mo., April 12, '14.

Referring to my letter of April 10th, wish to say the order was received that same evening in good condition. Well pleased with the plants and the condition they were in. Also wish to say your seeds are excellent.

ANTON N. FAHLEY.

Kansas City, Mo., April 22d, 1914.

This is the letter I received from my man "Cutting" at Monegaw Springs, Mo. You can see what he says about your trees—might do you some good. **I appreciate this.** I will have about 5 or 6 acres of trees to plant in the spring—and you can expect the order.

W. E. WEBER,
Care County Clerk Office.

Enclosure:

April 21st, 1914.

Received the apple trees from German Nursery last night, they were in first class condition, extra nice one-year-old trees about 3½ feet high, 5 Northern Spy and 5 Delicious. Well, I thought I would let you know about them.

ARTHUR CUTTING.

Auburn, Nebr., April 20th, 1914.

The trees were all in good condition and we got them set out in good shape. You certainly have good roots on your trees.

H. R. HOWE.

Schuyler, Nebr., April 15, 1914.

We received those trees in fine condition.

ALFRED LOSEKE.

Haigler, Nebr., June 12, 1914.

All our trees are doing fine, and we are well pleased with the stock. Will have another order for you next spring.

J. L. PEMBER.

Mulkeytown Ills., June 12, 1914.

I write this in acknowledgment of the receipt of an order of peach and cherry trees, received some three months ago. The trees are growing nicely in spite of six weeks' drought—just broken a few days ago. Some of my neighbors would not order from you; they had an idea that trees grown in your locality would not stand the climate here, but I have the proof on them now, and I did not pay but about two-thirds of the price they paid another company. I am highly pleased with my trees, and with the prompt and courteous treatment accorded me by your house, and shall remember you when again in the market for anything in your line.

E. K. ELKINS.

Beaverton, Mich., April 27th, 1914.

Received my order of trees and nursery stock all O. K. Am well pleased. They were better than my expectation, do not see how you could send out that quality of trees for the money. Ever thanking you and promising you my trade in that line, I remain,

D. D. MARSHALL.

Concordia, Kans., April 28, 1914.

Your letter at hand. I received your trees in fine shape and they are all growing nicely. I was well pleased with the order. Yours respectfully,

JOHN E. BELO.

Hawkins, Mo., 4-14-14.

My order 120013, consisting of fruit trees, currant and grape, received in good condition. I regard them as splendid value.

JOE M. HAINES.

SEED DEPARTMENT

On the following pages we list the standard varieties and newer sorts of merit in **Vegetables, Flower and Farm Seeds.** Every variety listed is reliable and has our recommendation.

This department is under the management of my son, Ernest Sonderegger, who has been raised in our seed business and has also worked in seed houses in Germany. All orders entrusted to us will be conscientiously and promptly filled and dispatched.

Our Seeds are not grown on a basis of cheapness, but of quality, yet we aim to quote every item at reasonable prices, being satisfied with a small percentage of profit. It takes great care, costs much time and money to produce our **Selected Stock of Seeds**—such seeds cannot be sold cheaply. We do not handle cheap seeds, and we guarantee all seeds which we carry in stock to comply with the laws of Nebraska in regard to purity and germination.

This catalogue is intended to appeal to those seed buyers who want first-class stock at lowest prices, consistent with such stock, buyers who can appreciate honest descriptions and illustrations, and who expect to receive seeds just as represented.

In my former catalogues I offered Seed Packets at 5c, 10c and 15c, and gave a premium. This was not very satisfactory, as often the premium which I sent was not wanted. Last season I offered packets for 4c, 8c and 12c, but I find this but little better than the premiums, as many of my customers sent too much money, while others did not send enough. It seemed hard to get the figures just right. It has always been my aim to have my catalogue prices attractive and as simple as possible, so as to make it easy for my customers to make out their orders. To do this I will, after this, charge 5c, 10c and 15c, and for the premium and discounts I will put in more seed in each packet. In this way my customers get their money's worth of just what they order.

WHEN TO ORDER. We will be prepared to fill seed orders when this catalogue reaches you, and we will be greatly obliged to our customers if they would order early, to avoid the rush which always comes late in the spring. Send in your combined orders of trees, seeds and plants, and we will send seeds at once and trees and plants when time for planting comes in your locality. You will find two places on the order sheet in our catalogue, one for trees and plants, and one for seeds. You will help us very much and there will be less delay in filling orders, if you will use spaces as indicated.

REMITTANCES can be made by P. O. Money Order, Express Money Order, or Bank Draft, and full amount should be sent with each order to avoid delays in shipping.

OUR RESPONSIBILITY. All those who have never dealt with us, we refer to Union State Bank, Beatrice National Bank, or Bradstreet's and Dun's reports. We have been in business the past 29 years and fulfill our promises.

SEEDS BY PARCEL POST. We deliver postpaid by parcel post or express any seeds offered in our catalogue "By Paid Parcel Post."

NOTICE. Seeds are now included in the parcel post system. As we are located in the center of the U. S., we can deliver packages by parcel post much cheaper than any Eastern seed house.

The new parcel post rates are much cheaper than the old rate of 8c per pound. The weight of packages for local and first and second zone has also been increased from 11 lbs. to 50 lbs., and for the third, fourth, fifth, sixth, seventh and eighth zones has been increased to 20 lbs. In this way much larger packages, at a much less cost, can be delivered free at your door. It will also save you many trips to the express or freight office.

FOREIGN ORDERS. To our customers in Australia, New Zealand, Mexico and other countries, we will ship Vegetable and Flower Seeds in Packets, ounces and pounds, at mailing prices, provided the order amounts to $1.00 or more. For all Canada orders by mail, the amount of 8c per pound, or 15c per quart must be added to our postpaid prices.

SEEDS BY EXPRESS OR FREIGHT means that we will deliver them to Express or Railroads here, and the purchaser pays all transportation charges on receipt of goods. **We send $10.00 orders of trees and plants freight prepaid, but cannot do so on seeds,** except in packets, ounces and pounds, at mailing price.

MARKET GARDENERS' trade is especially invited; we can please you and all we ask is to give us a trial. Special Wholesale Price List for Market Gardeners is sent free to all who buy bulk seeds in large quantities.

GUARANTEE ON SEEDS. While we exercise the greatest diligence and care to have all our seeds true to label and of best quality, we wish it understood that we give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds we send out, and will not in any way be responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned at once. Subject to above conditions we make sales at the very moderate prices at which we sell our goods.

GERMAN NURSERIES AND SEED HOUSE.

50c COLLECTION OF BEST VEGETABLES 50c

18 VARIETIES, ALL GOOD, RELIABLE SORTS

Best of All Bean	Early Curled Lettuce	Early Scarlet Globe Radish
Blood Turnip Beet	Emerald Gem Musk Melon	Summer Squash
Early Spring Cabbage	Cole's Early Watermelon	New Globe Tomato
Premium Late Flat Dutch Cabbage	Prizetaker Onion	White Flat Dutch Turnip
Long Orange Carrot	First and Best Peas	Early Minnesota Sweet Corn
Chicago Pickling Cucumber	Large Cheese Pumpkin	Mixed Herbs

THESE 18 PACKAGES WILL BE SENT BY MAIL TO ANY ADDRESS IN THE U. S. FOR ONLY 50c. REGULAR PRICE WOULD BE 90c.

50c LARGE FLOWER GARDEN COLLECTION 50c

25 REGULAR SIZE PACKETS OF CHOICE FLOWER SEEDS FOR 50c POSTPAID

Contains one packet each of the following varieties of easily grown Annuals.

Alyssum	Calliopsis	Dianthus	Pansy	Sweet Peas
Amaranthus	Calendula	Escholtzia	Petunia	Verbena
Antirrhinum	Candytuft	Dwarf Morning Glory	Poppy	Wallflower
Asters	Chrysanthemum	Marigold	Portulaca	Zinnia
Balsams	Centaurea	Nasturtium	Scabiosa	Cypress Vine

25c POPULAR COLLECTION 25c

Twelve regular size packets of nice varieties, all Annuals

Asters	Campanula	Escholtzia	Pansy	Poppy	Verbena
Calliopsis	Dianthus	Mignonette	Petunia	Sweet Peas	Zinnia

NOTICE—These collections cannot be changed as they are put up before the rush of the season.

VEGETABLE SEEDS

Every effort possible is used in the selection of our seeds, and we feel justified in saying that all our seeds are the purest and best to be had. The packages are, we believe, better filled than most seedsmen send out, while our prices are as low as those of any other reliable firm.

ARTICHOKE

Seeds may be sown indoors and plants potted, the same as the tomato, and set out in May, or can be sown in hills outside and thinned out to one plant in a hill. The plants thrive best in deep, rich soil, where the water will not lodge about them in winter. Plants are set in rows 3 feet apart and 2 to 3 feet in the row.

LARGE GREEN GLOBE. The well-known French vegetable. The undeveloped flower heads when properly prepared, make a most delicious dish. Packet, 5c; ounce, 30c; ¼ lb., $1.00, postpaid.

ASPARAGUS

In early spring sow the seed, after soaking it 24 hours in warm water, in drills one foot apart, and one inch deep. During the summer keep the soil mellow and free from weeds, thinning the plants to 4 inches apart. The following spring transplant them into permanent beds that have been deeply dug and highly manured. One ounce of seed to 50 feet drill; 5 pounds to the acre.

EARLY GIANT ARGENTEUIL. The earliest large green sort. Best for gardeners. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00, postpaid.

Borecole, Dwarf German

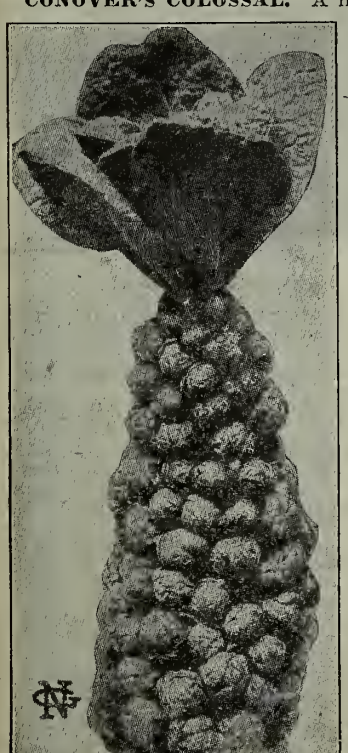
CONOVER'S COLOSSAL. A mammoth green sort of the best quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

PALMETTO. An early green sort, prolific and very desirable. Is fast becoming the favorite everywhere. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb.,60c.

COLUMBIAN MAMMOTH WHITE. This variety is in great demand, because it furnishes white shoots. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

BONVALLET'S GIANT. The most vigorous and healthy of all varieties, and the best for both home and market use. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb,. $1.25, postpaid.

ASPARAGUS ROOTS. See page 24.



Brussels Sprouts

BORECOLE OR KALE

The best plant for furnishing "greens." The greens are for fall, winter and spring use. Sow seed about the middle of June and later transplant to rows 2½ to 3 feet apart. The dwarf sorts may be sown later. Frost improves the quality. One ounce will produce 2,000 plants.

DWARF GREEN GERMAN. Hardier than cabbage, leaves very tender, finest flavor. Immense quantities are grown in the South and shipped to Northern markets. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.

DWARF PURPLE GERMAN. A variety of the preceding, and identical with it, except in color, which is a beautiful deep purple. Pt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00, postpaid.

TALL GREEN CURLED SCOTCH. This is one of the most popular varieties. It is very hardy, and is much improved by frost. Grows two feet high. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid.

BROCCOLI

Sow seed in Central West early in May; transplant in June. Growth and habit like cauliflower, but far more hardy. Of special value in the North. One ounce produces 2,500 plants.

LARGE WHITE. Large white heads. Pkt., 5c; oz., 25c; ¼ lb., 90c.

BRUSSELS SPROUTS

One of the best vegetables for winter use, producing an abundance of sprouts, resembling small cabbages; of excellent mild flavor. By sowing in April and planting out in July, it may be had in fine condition until December, and in the South from November to March.

IMPROVED DWARF. Of dwarf habit, a healthy grower, finest quality. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.25, postpaid.

CHICORY

The leaves are used as salad; roots are used to mix with or be substituted for coffee. Cultivate same as parsnips. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

Green Curled Endive

COLLARDS

GEORGIA MAMMOTH. A form of Cabbage extensively grown in the South for greens. Improved by slight freezing. Cultivate same as cabbage. Pkt., 5c; oz., 10c; ¼ lb., 30c.

CORN SALAD OR FETTICUS

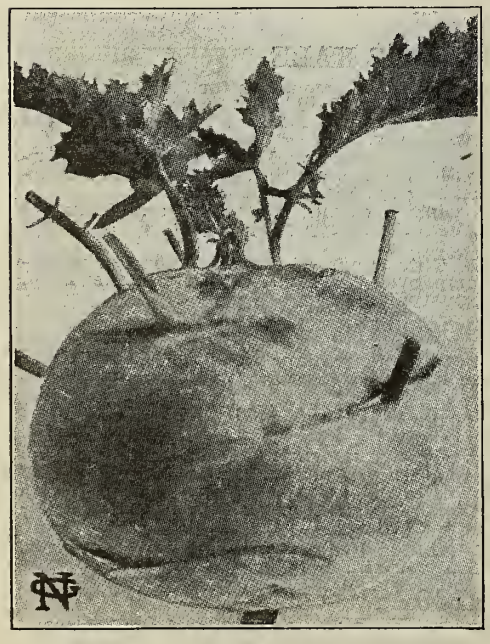
This small salad is used during the winter and spring months as a substitute for lettuce and is cooked and used like spinach. Sow seed in shallow drills one foot apart during August or September or early in the spring. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c postpaid.

EGG PLANT

NEW YORK IMPROVED LARGE PURPLE. This variety has about superseded all others, both for market and home use. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25 postpaid.

BLACK GIANT SPINELESS. Fruit large, jet black, of attractive appearance and spineless. Recommended for market and home use. Pkt., 10c; oz., 30c; ¼ lb., $1.00.

WHITE PEARL. Best white variety. Fruit round, very tender and of excellent quality. Ripens early and is very productive. Pkt., 5c; oz., 30c; ¼ lb., 95c.



Sach's White Delicious Kohlrabi

ENDIVE

Ready for the table in 45 to 50 days from seed. 1 oz. to 100 feet of drill. One of the best autumn and winter salads. Sow from June until August, one-half inch deep in drills 14 inches apart and thin out to 1 foot apart in rows. When nearly full grown bleach by tying the tips of the leaves.

GREEN CURLED. Large and well adapted to this soil and climate. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c postpaid.

BROAD LEAVED BATAVIAN. A large summer variety, productive. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., $1.00 postpaid.

GIANT FRINGED WINTER. Best for late planting. Leaves large, very curly, of fine flavor. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.50.

KOHLRABI

SACH'S WHITE DELICIOUS. Flesh white, tender and of delicate flavor. Ripens very early; foliage erect, short leaves. Hardier than any other variety. Pkt., 10c; oz., 25c; ¼ lb., 90c; lb., $3.00.

EARLY WHITE VIENNA. Finest market sort. Flesh white, tender and of delicate flavor. Better tasting than turnips. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.50 postpaid.

EARLY PURPLE VIENNA. Bluish purple; similar to above except in color. Flesh white. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.65.

LENTILS

Used in oriental countries as principal article of diet. Splendid for soups. Cultivate same as peas. Pkt., 5c; ¼ lb., 15c; lb., 40c.

CHUFAS

EARTH ALMOND. Small ground nut greatly liked by children. In sweetness and flavor they resemble cocoanut or almond and are considered very nice to put on the table with candies, and as an after dinner relish. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 50c.

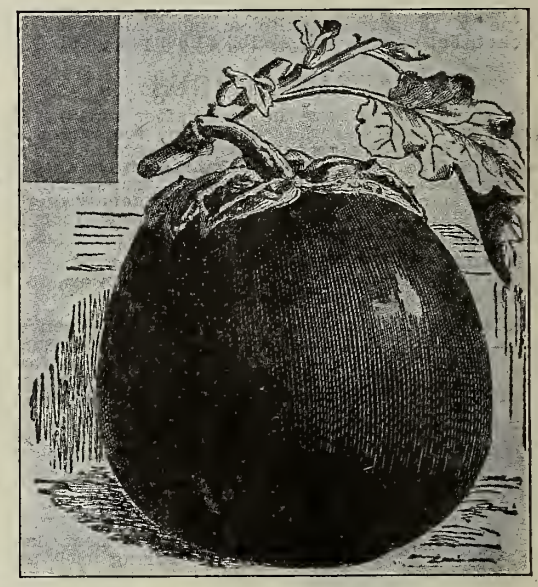
CRESS or PEPPER GRASS

Cress should be sown in a sheltered spot in shallow drills. Sow seed thickly. Ready for use in a month. For continued use sow every few weeks.

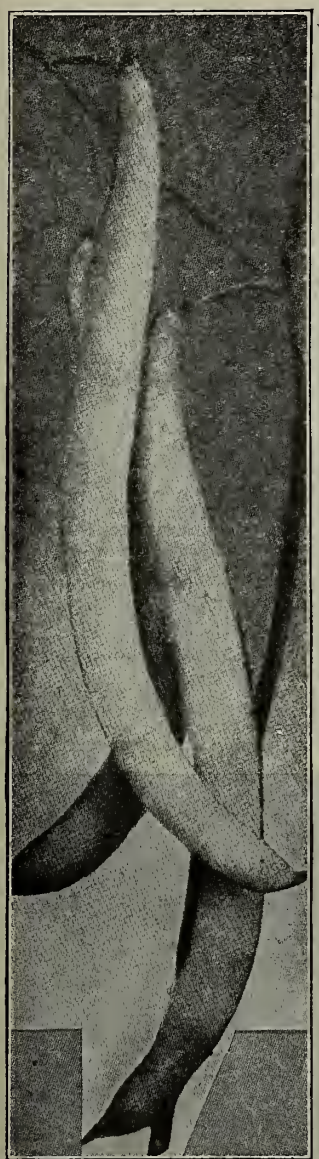
CURLED GARDEN. Much used with lettuce to the flavor of which its warm pungent taste makes a most agreeable addition. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 55c postpaid.

UPLAND. Has the highly prized flavor of water cress. It is so hardy as to be green nearly the whole year and is ready for use before any other salad in the spring. Pkt., 5c; oz., 12c; ¼ lb., 40c.

ERFURT WATER CRESS. The pleasant and peculiar flavor of the water cress causes it to be highly esteemed for table use. Will grow along margins of streams, creeks and ponds. Pkt., 10c; oz., 30c; ¼ lb., 75c postpaid.



Egg Plant, New York Improved



Sonderegger's Improved Black Wax Beans (P. 72)

BEANS

DWARF OR BUSH VARIETIES

Plant in drills 1½ inches deep and drop the beans 3 inches apart in the drills. The rows should be 2 to 3 feet apart. Beans are sensitive to both cold and wet, and cannot be planted until danger of frost is past and the ground has become dry and warm. A sandy loam is best. Up to the time of blossoming the plants should have frequent shallow cultivation. For succession plant every two weeks. 1 quart will plant 100 feet of drill; 1½ bushels per acre. Deduct 15c from quart price if to be sent with other goods at your expense.

DWARF GREEN POD VARIETIES

TIDMAN'S IMPROVED INDIAN BEAN. Something new and valuable. This bean can stand more dry weather than any other bean I know of and is exceedingly prolific. It is of fine flavor; very desirable for soups when ripe, and cooked like Boston Baked Beans it surpasses all other kinds. Can also be used as string beans when very young; and later shelled and cooked like Lima beans, they have the flavor of fresh peas. The color of the dry bean is a light brown and when cooked they turn to a nice dark brown. They are almost round in shape like large peas. Plant as soon as danger of frost is past (but not in shady places), in rows 3 feet apart and 1½ feet in the row. The vines should not be tied up, but left to run over the ground. Ripe beans should be gathered from time to time, as they will set on new beans and bear and ripen all summer. A wonderful bean and is especially adapted to climates where the summers are apt to be dry. Pkt., 15c; ½ pt., 25c; qt., 60c postpaid.

Tidman's Improved Indian

SONDEREGGER'S GIANT STRINGLESS GREEN POD. The vines are of robust growth, very prolific and produce the pods in truly wonderful profusion. The pods are extra long, round and fleshy, very tender and absolutely stringless. As an early snap bean and for canning purposes it is unexcelled. In our trial grounds it proved to be one of the very best all around beans. Pkt., 10c; ½ pt., 20c; qt., 50c postpaid; ½ pk., 75c; pk., $1.40 not prepaid.

BURPEE'S NEW STRINGLESS. Considered the best green podded bush bean for general planting and for the market. The pods are long, full and straight, entirely stringless and of a crisp, tender flavor. Pkt. 5c, ½ pt. 15c, qt. 45c, postpaid; ½ peck $1.00, peck $1.75, not prepaid.

BLACK VALENTINE. A great improvement over the popular standard sort. Early Red Valentine, being one-third longer; pods perfectly round, straight, although not quite so early. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid; ½ pk. $1.00, pk. $1.75, bu. $6.50, not prepaid.

BEST OF ALL. Pods nearly twice as long as those of Valentine, very fleshy, tender, stringless and of excellent flavor. Pkt. 5c, ½ pt. 10c, qt. 30c, postpaid; ½ peck 65c, peck $1.10, bu. $4.25, not prepaid.

IMPROVED RED VALENTINE. Grows robust and vigorous, producing the round, curved pods very abundantly. The pods are remarkably fleshy and very tender. Excellent in quality and uniformity of ripening. Pkt. 5c, ½ pt. 12c, qt. 30c, postpaid; ½ pk. 70c, pk. $1.25, bu. $4.50, not prepaid.

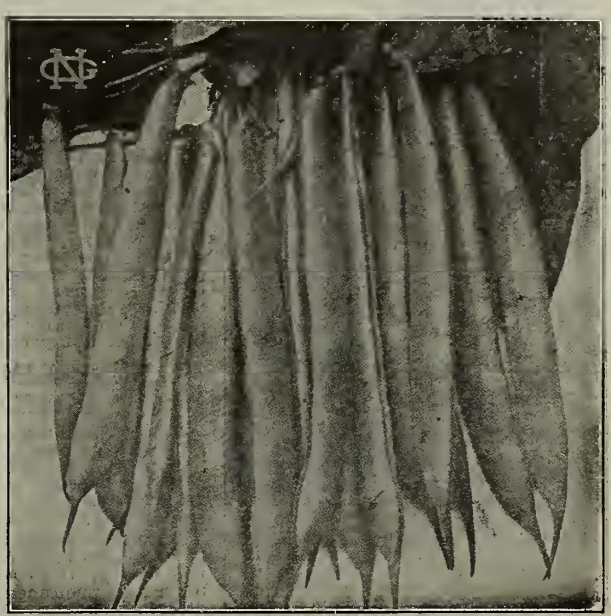
EARLY REFUGEE OR THOUSAND TO ONE. Very hardy, suitable for early and late planting. Pods are perfectly round, of pale green color, thick and fleshy, straight and with but few strings. Especially desirable for pickling. Pkt. 5c, ½ pt. 10c, qt. 30c, postpaid; ½ pk. 60c, pk. $1.10, bu. $4.25, not prepaid.

EARLY YELLOW SIX WEEKS. Very early and a good yielder. The pods are long, flat and straight. A standard sort, and excellent snap bean. Pkt. 5c, ½ pt. 15c, qt. 35c, postpaid; ½ pk. 65c, pk. $1.20, bu. $4.25, not prepaid.

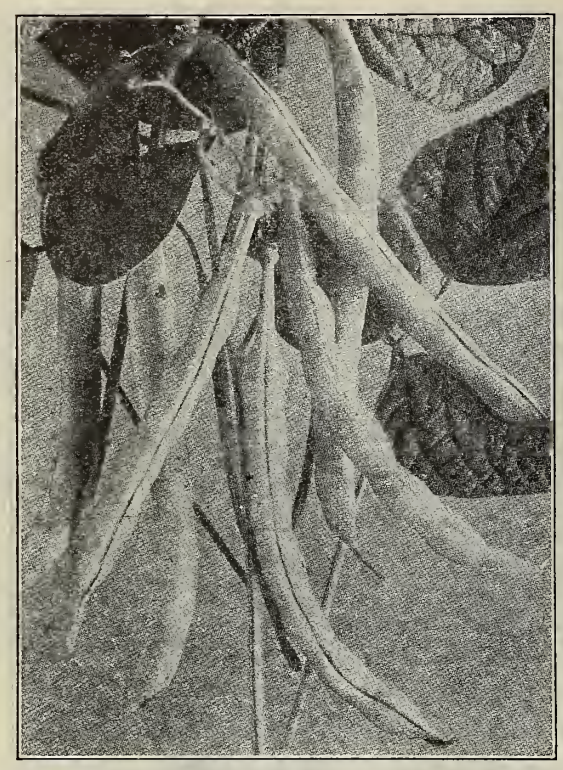
LONGFELLOW STRINGLESS. Pods are extra long, round and fleshy, very tender and absolutely stringless. Pkt. 5c, ½ pt. 10c, qt. 30c, postpaid; ½ pk. 65c, pk. $1.15, bu. $4.50, not prepaid.

EARLY ERFURT BROAD BEAN. An improvement of the old English Broad or Windsor Bean. The plant is of robust and upright growth, entirely different from any other bean. Pods are very long, broad and filled with 5 to 9 beans of extra large size and of most delicate flavor. The beans are used shelled and are superior in quality to Lima Beans. Can be planted early as they are quite hardy. Pkt. 10c, ½ pt. 20c, pt. 35c, qt. 60c, postpaid; ½ pk. $1.15, pk. $2, not prepaid.

BOSTON PEA BEAN. An improvement over the old navy bean. A very prolific field bean. Pkt. 5c, ½ pt. 10c, qt. 30c, postpaid; ½ pk. 60c, pk. $1.10, bu. $4.10, not prepaid.



Early Yellow Six Weeks



Sonderegger's Stringless Green Pod (Page 71)

BEANS—(Continued)

DWARF WAX POD VARIETIES

SONDEREGGER'S MAMMOTH WAX. (Novelty.) Giant among beans. The pods frequently attain a length of from 8 to 10 inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when fit for use. A rich golden yellow color, and are absolutely stringless, cooking tender and of delicious quality. It is enormously productive, as many as fifty of its monster pods being counted on one bush. Pkt. 10c, ½ pt. 15c, qt. 50c, postpaid; not prepaid, ½ peck $1.15, peck $2.00.

SONDEREGGER'S IMPROVED BLACK WAX. This is an improved strain of the old standard variety of German Black Wax. The pods are borne in greater profusion and the bushes are more rust resisting than the old varieties. A very superior snap bean, ripening among the first earliest and almost as well suited for late planting. Pods are round, yellowish white, tender and of fine flavor. Seeds are glossy black. Pkt. 10c, ½ pt. 20c, qt. 45c, postpaid; ½ pk. $1.00, pk. $1.75, not prepaid.

MICHIGAN WHITE WAX. (Novelty.) A white seeded Golden Wax, but it is distinctly superior to that excellent and exceedingly popular variety. The vine is a little larger, more robust and vigorous; foliage a little heavier. The handsome pods are produced in greater abundance and are very uniform in size and color, which is a very attractive light golden yellow. The seed is clear white. Pkt. 10c, ½ pt. 15c, qt. 50c, postpaid; not prepaid, ½ pk. $1.00, pk. $1.90, bu. $6.00.

HODSON WAX. Produces a healthy growth of foliage, resists rust and blight, and is remarkably prolific, with long, straight, light yellow, oval shaped pods. The pods are brittle and tender, and if picked when young are entirely stringless. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid; ½ pk. 75c, peck $1.40, bu. $5.25, not prepaid.

GERMAN BLACK WAX. A very superior snap bean, ripening among the first earliest and almost as well suited for late planting. It is a sturdy grower and yields well. Pods are round, yellowish white, tender and of fine flavor. Continues in bearing a long time. Seeds are glossy black. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid; ½ peck 80c, peck $1.40, bu. $5.00, not prepaid.

IMPROVED GOLDEN WAX. Pods large, long, brittle, entirely stringless, and of a beautiful, rich, golden color. As a snap bean it excels most other varieties in tenderness and rich, buttery flavor, while as a shell bean for winter use, it has few or no superiors. Seeds white, mottled brown and purple. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid; ½ pk. 85c, pk. $1.60, bu. $5.25, not prepaid.

CONTINUITY BRITTLE WAX. Early, prolific wax bean that continues in bearing longer than other kinds. Pods long, round, of beautiful yellow color; very brittle and tender of extra fine quality. Pkt. 10c, ½ pt. 20c, qt. 50c, postpaid; ½ pk. $1.00, pk. $1.75, bu. $6.50, not prepaid.

WARDWELL'S KIDNEY WAX. Hardy and productive. Pods flat, of a delicate, waxy yellow and very brittle. Seed white, mottled brown around the eye. A favorite with market gardeners and one of the best kinds for a main crop and field planting. Pkt. 5c ½ pt. 12c, qt. 35c, postpaid; ½ pk. 80c, pk. $1.50, bu. $5.00, not prepaid.

NEW ROYAL WAX. Plant vigorous, large, without runners, spreading, with large leaves. Pods 5 inches long, round, of waxy yellow color; very brittle, entirely stringless, and unsurpassed in quality. Very early, as prolific and tender as the Crystal Wax. Much in demand by market gardeners and for the home garden. Pkt. 10c, ½ pt. 20c, qt. 50c, postpaid; ½ pk. $1.00, pk. $1.75, bu. $6.50, not prepaid.

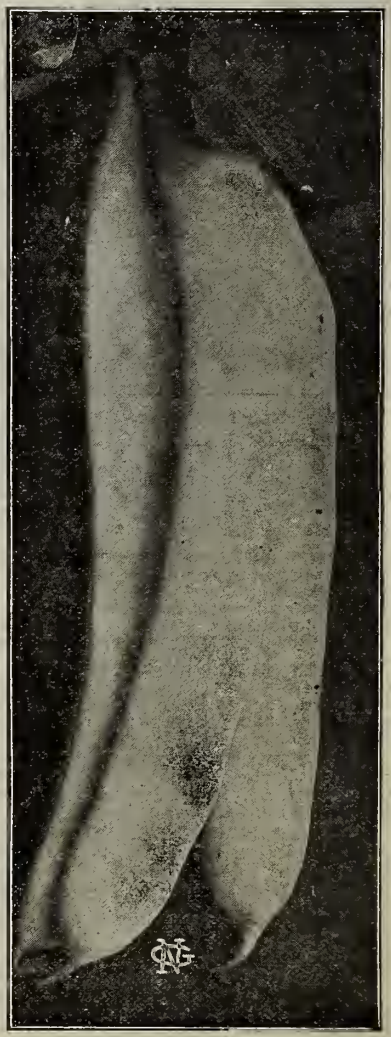
Wardwell's Kidney Wax

DAVIS WHITE KIDNEY WAX. Immensely productive, bearing many clusters of handsome pods. The pods are straight and clear waxy white, 5 to 6 inches long. In quality they are tender, crisp and of good flavor. One of the best wax beans for canning purposes, as it does not discolor, and of the greatest value for market, or the home garden. Pkt. 5c, ½ pt. 12c, qt. 35c, postpaid; ½ pk. 75c, pk. $1.40, bu. $5.00, not prepaid.

BUSH LIMA BEANS. GREEN POD

Select land especially warm, rich and well supplied with vegetable fiber or humus. Plant as soon as the soil has become warm in the spring. Make rows 2 feet apart and give to each plant 10 inches space in the row.

HENDERSON'S BUSH LIMA. This is a dwarf form and the earliest of the Limas. It grows about 18 inches high and produces immense crops of delicious beans. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid; ½ pk. 80c, pk. $1.50, not prepaid.



New Royal Wax Beans

BEANS—(Continued)

BURPEE'S BUSH LIMA. This is the true bush form of the Lima Pole Beans. It grows vigorously to a height of 18 to 20 inches, yielding from 50 to 100 pods, similar to those grown on the large Lima Pole Bean. Pkt. 5c, ½ pt. 15c, qt. 45c, postpaid; ½ pk. $1.00, pk. $1.85, not prepaid.

DREER'S BUSH LIMA. Very prolific, single plants often producing from 150 to 200 pods, each pod holding 2 to 5 beans of excellent flavor. Does well in a dry season and is well adapted for our Western climate. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid; ½ pk. $1.25, pk. $2.35, not prepaid.

Henderson's Bush Lima (Page 72)

POLE OR RUNNER BEANS

Beans should be planted middle of May. Set poles 4 feet apart each way, and plant 4 to 6 beans about an inch deep around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the plants when they overrun the top of the poles. They succeed best in sandy loam. One quart will plant about 100 hills.

GOLDEN CLUSTER WAX. It bears profusely its long golden pods in clusters of three to six, from the middle of July until cut by frost. Pods are 7 to 8 inches long and about an inch in width. They are fleshy, absolutely stringless and very brittle, while their flavor is delicious. Pkt. 10c, ½ pt. 20c, qt. 60c, postpaid. By express, ½ pk. $1.35, pk. $2.50, not prepaid.

PROSPERITY GOLDEN WAX. The finest wax pole bean. Very early and a great and continuous bearer. Pods golden yellow, long and fleshy, entirely free from strings, very tender, brittle and of exceptionally fine flavor. Pkt. 10c, ½ pt. 20c, qt. 65c, postpaid; ½ pk. $1.75, pk. $3.00, not prepaid.

LAZY WIFE. As its name indicates, a handful of choice stringless pods at a single grab. The pods are broad, thick, very fleshy and entirely stringless and possess a rich buttery flavor when cooked. Beans are white and make a good dry bean. Pkt. 5c, ½ pt. 15c, qt. 45c, postpaid; ½ pk. 95c, pk. $1.75, not prepaid.

CUT SHORT OR CORN HILL. Popular variety for planting with corn. Pods short, round and tender; beans nearly round, white with reddish brown spots. Pkt. 5c, ½ pt. 12c, qt. 35c, postpaid; ½ pk. 70c, pk. $1.25, not prepaid.

Golden Cluster Wax

KENTUCKY WONDER OR OLD HOMESTEAD. Vine vigorous, very productive, bearing its pods in clusters; pods green, very long, often reaching nine or ten inches, nearly round and very crisp. Ten days earlier than any other green podding pole bean. Good market sort. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid; ½ pk. 80c, pk. $1.50, not prepaid.

EXTRA EARLY JERSEY LIMA. This variety matures earlier than the Large White Lima. Pods contain three and four large beans each. Splendid quality. Good market sort. Pkt. 5c, ½ pt. 15c, qt. 45c, postpaid; ½ pk. $1.00, pk. $1.75, not prepaid.

LARGE WHITE LIMA OR BUTTER. Productive, large flat pods, rich and of finest flavor. The dry beans are white. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid; ½ pk. 75c, pk. $1.40, not prepaid.

SCARLET RUNNER. Grown extensively for ornamental purposes, as flowers are of a most brilliant scarlet and borne in profusion. Beans are broad and flat, and of a fine flavor when cooked. A hardy, vigorous grower. Pkt. 10c, ½ pt. 20c, qt. 60c, postpaid.

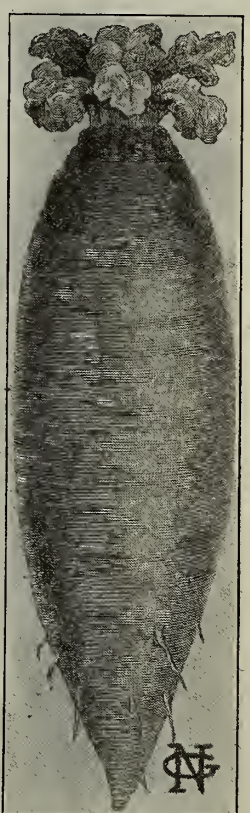
SUGAR BEETS

Sugar Beets are grown on a large scale throughout the West. In Colorado large tracts are devoted to the culture of Sugar Beets annually and the crop is sold to the Beet Sugar factories at a handsome profit for the planter. When planted for this purpose 12 to 20 pounds of seed per acre is the usual quantity. For stock feeding the Sugar Beets are superior to the Mangels. Our seed is grown by the foremost growers in Europe, who have made the growing of sugar beets their specialty for many years. Write us for prices on large orders.

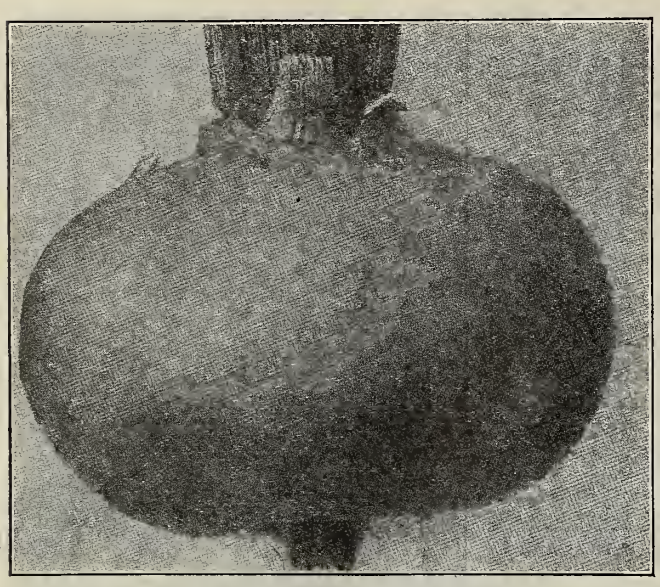
KLEIN WANZLEBEN. Selected stock. This variety has proved to be a very valuable sort. It has a rather long, slender root, very rich in sugar, and it is claimed to yield under average conditions about sixteen tons to the acre, containing 12 to 13 per cent of sugar. Oz. 5c, ¼ lb. 15c, lb. 35c, postpaid; 10 lbs. $2.00, not prepaid.

FRENCH RED TOP. It unites capacity for a large yield with an exceedingly rich flesh, making it the best kind for cattle feeding. Roots above medium size, long, top shaped; flesh fine grained and very sweet. Of much value for feeding to milch cows and will add greatly to the milk production as well as to its richness. Oz. 5c, ¼ lb. 12c, lb. 30c, postpaid; 10 lbs. $2.00, not prepaid.

LANE'S IMPERIAL. Grows to a large size, will yield almost as much in bulk as the best Mangels, and contains a large per cent of sugar. The roots are smooth, broad at the shoulder, and gradually taper to the base. Oz. 5c, ¼ lb. 12c, lb. 30c, postpaid; 10 lbs. $2.00, not prepaid.



Lane's Imperial Sugar Beet



Sonderegger's Early Blood Turnip

BEETS

The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked, continue for a succession as late as the middle of July; when the plants are large enough thin out to stand six inches apart in rows. One ounce to 50 feet of drill; 5 to 6 lbs. to the acre in drills.

SONDEREGGER'S EARLY BLOOD TURNIP. This splendid beet is an improved strain of the old standard variety of Early Blood Turnip. It is nearly as early as the Extra Early Egyptian, and greatly surpasses that variety in quality and flavor. It is free from fibrous roots, being always smooth. The roots are of a dark red color, very solid and remain crisp and tender for a long time. Also one of the best varieties for early spring and summer use. This is an excellent Beet in every way and you should not fail to give it a trial in your garden. Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c, postpaid.

CROSBY'S EGYPTIAN. An improved strain of the Early Egyptian. The roots are of perfect shape when small, making a good beet for bunching. Uniform in size and shape, with small tops and tap root. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c, postpaid.

CRIMSON GLOBE. An extra early variety of medium size and globe shape. Entirely free from rootlets, very smooth and of a rich, deep red color. Flesh is of the finest quality, sweet and tender. Foliage is small and of a bronze purple color. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

LONG BLOOD RED. Matures rather late, but is of fine quality and is an excellent keeper; resists drought better than any other variety. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 55c, postpaid.

EARLY MODEL. Extremely large, globe shaped and of fine quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

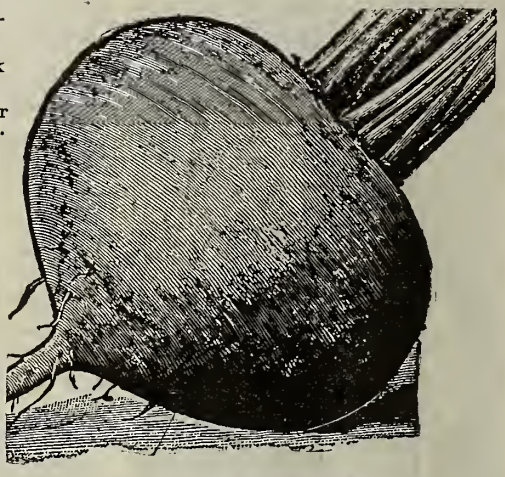
EARLY BLOOD TURNIP. Very early; excellent for family use. Pkt 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

EARLY ECLIPSE. Rapid grower, round, smooth and of dark red color. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c, postpaid.

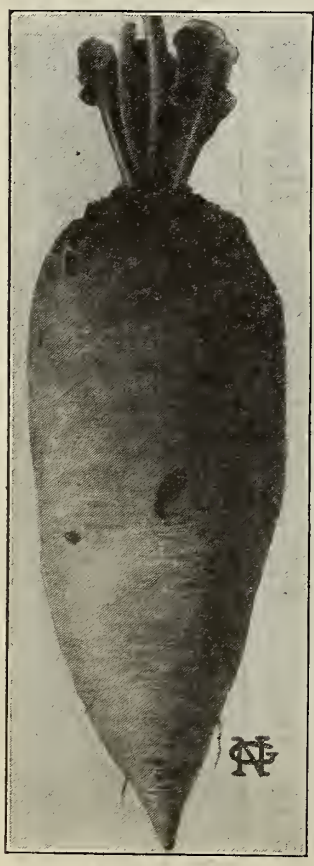
DEWING'S EARLY BLOOD TURNIP. Excellent for late planting. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c, postpaid.

HALF LONG BLOOD. Roots thick and smooth; flesh rich, dark red, crisp, tender and sweet. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

SWISS CHARD OR SILVER BEET. Especially grown for greens. Of superior quality to spinach and ordinary beet greens. Oz. 5c, ¼ lb. 12c, lb. 35c, postpaid.



Crosby's Egyptian Beet



Giant Half Sugar

MANGEL WURZELS

Mangels are very easily grown and are a sure crop. They are very valuable for feeding, and will keep your stock healthy and free from diseases. Sow in April or May in drills three feet apart and thin out to 10 inches in the row. 5 to 6 lbs. of seed per acre.

DANISH SLUDSTRUP. This is considered the best of all Mangels, having been awarded first class certificate. Its color is reddish yellow and very hardy, grows well above the ground and is easily harvested. It contains a larger per cent of nutriment than is found in any other sort. Oz. 5c, ¼ lb. 12c, lb. 40c, postpaid; 5 lbs. per express not prepaid, $2.00.

GIANT ECKENDORF. The most popular Mangel in Germany, and has also given excellent results in this country. The roots are very large, of smooth, cylindrical shape, and weigh from 15 to 25 lbs. each. The flesh is firm and solid, of white color and its highly nutritive value makes it the best Mangel for feeding stock. The roots are very easily harvested. Oz. 5c, ¼ lb. 12c, lb. 40c, postpaid; 5 lbs. per express not prepaid, $1.50.

GIANT HALF SUGAR. The roots of this new Mangel are more valuable than the best strain of sugar beets. They are not only of better quality, but will yield more than twice as much. The roots grow partly out of the ground, which makes digging very easy. Oz. 5c, ¼ lb. 15c, lb. 35c, postpaid; 5 lbs. by express not prepaid $1.10.

MAMMOTH LONG RED. Largest of all Mangels, valuable for stock. Oz. 5c, ¼ lb. 15c, lb. 35c, postpaid; 5 lbs. per express not prepaid, $1.10.

GOLDEN TANKARD. Best yellow Mangel in existence. Oz. 5c, ¼ lb. 12c, lb. 30c, postpaid; 5 lbs. by express not prepaid, $1.00.

Giant Eckendorf Mangel

CABBAGE

For early summer use sow in hotbed in February or March. Before transplanting to open ground the plants should be hardened off by exposing them gradually to the night air. For winter use sow in the open ground in May or June. When five or six inches high, transplant in rows two feet apart one way, and twelve to eighteen inches the other, according to variety, burying to the first leaf, whatever the stem length. Hoe frequently, drawing the earth up about the plants until they begin to head. Requires a rich, deep soil. One ounce will produce 3,000 plants. Use "Slug Shot" to kill worms and insects. Dusting with tobacco dust, insect powder, etc., or splashing with hot soapsuds, especially Whale-Oil Soap Solution, are good remedies for some of the insect pests attacking the plants.

EARLY COPENHAGEN MARKET. (Novelty.) This is a very popular sort in Denmark, where it is considered the finest and largest round-headed early Cabbage in cultivation. The plants have narrow light green leaves, which grow erect, taking up little room, and form their heads close to the ground. The latter have a very short internal stalk and notwithstanding their great average weight of 10 to 11 lbs. are of excellent quality for the table. It is a great advantage, especially for the market gardener, that the heads keep remarkably well in storage and that they all turn in at the same time, as much labor is thus saved in cutting and the land can be cleared at once for another crop. Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.75, postpaid.

Early Wakefield

SONDEREGGER'S SUMMER BALLHEAD. This cabbage is equally as hard as the original type, Danish Ballhead, and its keeping qualities are not surpassed by any warm weather cabbage. Color is light green, interior leaves bleached to the purest whiteness, and with fine ribs in the leaves. It is to be regarded as a second early sort, coming to maturity long in advance of the parent type. Its earliness will make it available for all summer. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. $2.75, postpaid.

SONDEREGGER'S IMPROVED DANISH BALLHEAD. An improvement over the old Danish Ballhead. The heads are of excellent market size—not too large. They are very hard, almost round, fine grained, and will weigh one-fourth more than other varieties of equal size. For main crop and late planting it is unexcelled, being one of the best keepers of all winter cabbages. It thrives well on thin soils and highly exposed locations. An ideal cabbage for the market garden. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. $2.90, postpaid.

Sonderegger's Summer Ballhead

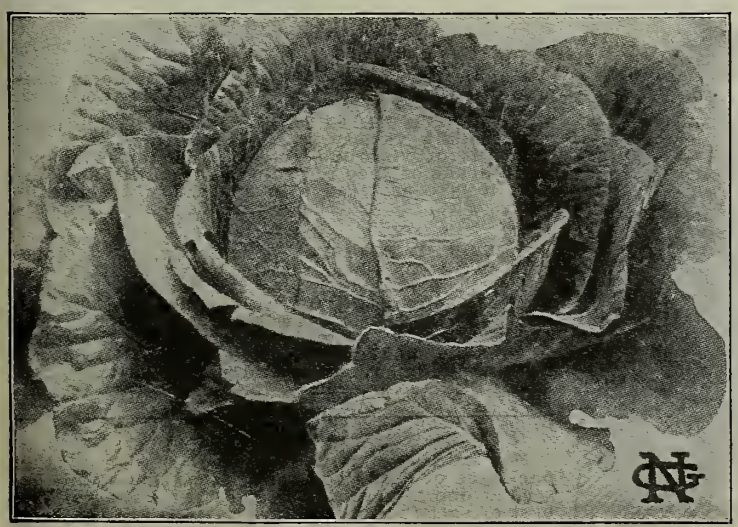
EARLY FILDERKRAUT. (Earliest Pommerian.) Extra early, with pointed, solid heads, of good size and few outer leaves. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.50.

TRUE EARLY JERSEY WAKEFIELD. Selected Long Island grown stock. Considered the very best first early variety suited for market and family use. The heads begin to mature the latter part of June and may be cut in succession for several weeks. Heads are solid and conical in shape, with blunt point, and have but few outside leaves. Pkt. 10c, oz. 20c, ¼ lb. 70c, lb. $2.50, postpaid.

EARLY SPRING. Of the type of the Early All-Head, but with a smaller head, maturing about the same time as the Wakefield. The heads are round, slightly flattened, even when young, and remarkably uniform. Has very small outside leaves, allowing close planting. Very productive. Pkt. 5c, oz 15c, ¼ lb. 50c, lb. $1.90, postpaid.

EARLY WINNINGSTADT. Early, heads large, decidedly conical, solid and hard even in summer. Also good winter cabbage. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. $2.00, postpaid.

THE GLORY. Best early sure heading variety. It is a vigorous grower, forming large, compact heads of a nice yellowish green color. Few outer leaves. Heads round. Excellent market sort. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. $2.75, postpaid.



Copenhagen Market

NEW IDEAL. The largest early round headed variety, and most solid early cabbage grown. A vigorous grower, forming large, compact, hard heads with only a few outer leaves. Color a nice yellowish green. Unexcelled in flavor, unequalled in quality, sells readily at good prices in any market. Pkt. 10c, oz. 30c, ¼ lb. 95c, postpaid.

ALL SEASONS. (Or Vandergaw.) One of the best sorts for market gardeners, as it forms large, solid heads, much larger than the Early Summer and about as early; when planted later, it makes a first-class fall and winter sort. One of its main qualities is its almost absolute certainty to head. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.65, postpaid.

NEW CENTURY. The very best late cabbage for general use, being a very hardy variety and sure to head when most sorts fail. The plant is very compact, with short, thick leaves. The heads are large, regular, very hard, and slightly flattened. Keeps well both in summer and winter. This variety seems to be very resistant to disease and insect attacks. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. $2.50, postpaid.

Danish Ballhead

PREMIUM LATE FLAT DUTCH. As a variety for winter market it has no superior. Heads are large, bluish green, round, solid, broad and flat on top; they open white and crisp, are tender and well flavored. It is a fall and winter variety, and one of the very best to keep. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.25, postpaid.

BRUNSWICK LARGE LATE FLAT. Very fine late variety with short stem, producing large, fine heads, which are uniform in size and always very solid. Quality is very best. The heads maintain their shape and solidity during the period of storage. Can be grown either as second early or late sort. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.40, postpaid.

RED CABBAGE

OTHELLO. This new Red Cabbage "Othello" puts into the shade every variety known in the trade, as it surpasses them all by far, in size, productiveness, solidity and keeping quality. It has all the superior qualities of the true variety of largest Flat White Brunswick cabbage, being of the same great size and exceeds by far that of all the known varieties of Red Cabbage. It forms a smooth, flat, slightly arched head, is exceedingly firm, deep, glossy, black-red and is the best keeper during the winter. Pkt. 10c, ½ oz. 20c, oz. 35c, ¼ lb. $1.25, postpaid.

ZENITH RED. This new variety produces solid heads of rich, deep blood-red color, ripens medium early. The heads are of medium size, fine ribbed and with but few outer leaves. It is of excellent quality and a good keeper. Without doubt the finest early red cabbage ever introduced.

Sure Head

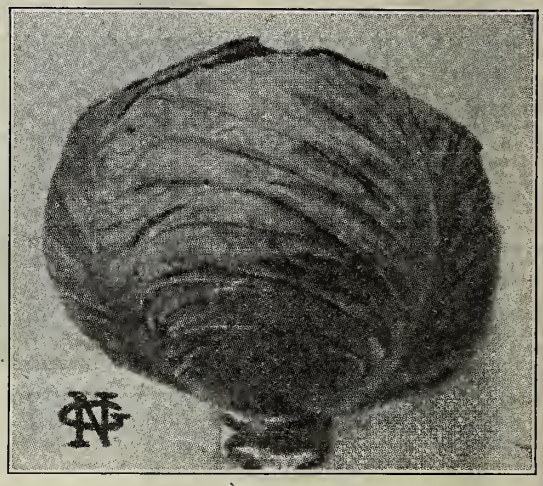
CABBAGE—(Continued)

DANISH BALLHEAD. Heads are of good marketable size, very hard, round, fine grained and solid. One of the best keepers of all winter cabbages and very desirable for main crop and late planting. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.65, postpaid.

VOLGA. This is one of the best large cabbages ever introduced. Plants set out July 9th produced large, solid, hard heads by the 10th of October—two or three weeks earlier than other large kinds. The plant is nearly all head, having few outside leaves. The heads are nearly as round as a ball and almost as hard and solid as Danish Ballhead, while they are much larger and heavier, often weighing 15 lbs. each. It will yield large quantities per acre. Pkt. 10c, oz. 25c, ¼ lb. 75c.

SURE HEAD. A well known variety, producing very large, round heads, slightly flattened and is remarkable for its certainty to head. A vigorous grower and one of the best cabbages for late or main crop. Heads are remarkably uniform, very hard and exceedingly fine in texture, weighing about 10 to 15 lbs. each. Of very fine flavor, a fine keeper and good shipper. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. $2.50, postpaid.

MARBLEHEAD MAMMOTH. A large headed variety of the drumhead type, considered to be the largest cabbage in cultivation. Under good culture it forms compact, solid heads, weighing from 30 to 40 lbs. each. Largely grown in some sections in the South. It is not considered a very good keeper. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.00, postpaid.



Zenith Red Cabbage

Valuable for the market and also for home consumption. Pkt. 10c, oz. 20c, ¼ lb. 70c, postpaid.

MAMMOTH RED ROCK. The largest and surest heading variety of the red cabbages. The plant is of vigorous growth and forms round, solid heads of deep red color. In quality and flavor, it is considered to surpass any green cabbage. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. $2.25, postpaid.

NEW RED POLISH. Very hardy, short stemmed, with exquisitely solid heads of dark red color. The outside leaves are somewhat crumpled at the edges, giving the head a fine appearance. There are but few outer leaves, therefore the plants may be set closer together in the rows. A splendid medium late variety. Quality is excellent. A long keeper and very profitable red sort. Pkt. 10c, oz. 25c, ¼ lb. 75c.

Broseley, Mo., 6-25-1914.

You want to know if I received one of the packages of seeds you sent. Yes, I received the second one you sent me, and they gave me the best of satisfaction. Your tomatoes are the best I ever saw; they are loaded with tomatoes now. Will have some ripe by 4th of July.—A. T. Hill.

CABBAGE—(Cont'd)

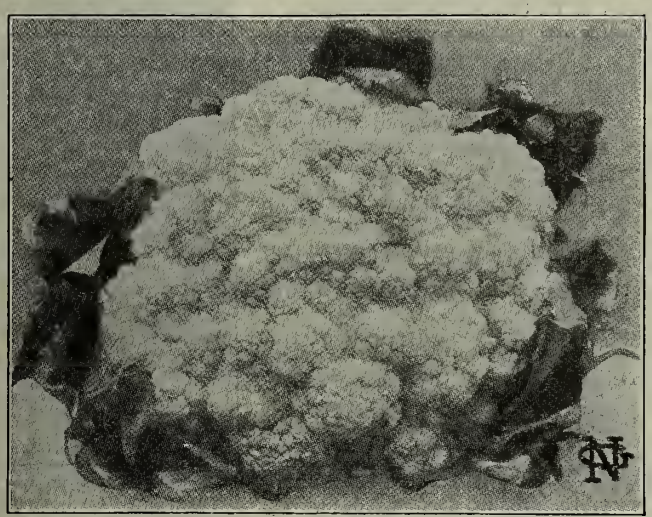
SAVOY CABBAGE

The Savoy Cabbages require the same culture as the common cabbage. They have finely curled leaves and are of a superior flavor and better quality than other sorts. Preferred by many to all other cabbages, especially for home use, and in some markets they are always in demand at high prices. Once planted they are always sown again the next season.

KING OF EARLIEST SAVOY. The earliest of all Savoy cabbages. Forms medium sized, very solid heads of conical shape, with blunt point; leaves are finely crimped. Superior in flavor to the smooth-leaved cabbages; its flavor is like that of Brussels sprouts. Without question the earliest and finest Savoy for field culture; of equal value to the market gardener and private garden. Pkt. 10c, oz. 20c, ¼ lb. 60c.

LARGE DRUMHEAD SAVOY. An excellent winter and spring cabbage, forming nice solid heads, with curly outer leaves. Plants are strong and vigorous. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.25, postpaid.

Large Drumhead Savoy



Early Snowball

CAULIFLOWER

Sow the seed in a hotbed in January or February, and when the plants are large enough transplant three inches apart in boxes until time to plant out. If hardened off they are seldom injured by planting out as early as the ground can be properly prepared, 2½ feet apart each way. Keep well hoed, watering freely in dry weather, and especially when they begin to head. The late varieties mature in the autumn, and are sown and are managed similar to winter cabbage. Any soil that will grow cabbage will grow cauliflower, but rich, moist soil is preferred. One of the most delicious vegetables.

SONDEREGGER'S IMPROVED EARLIEST DWARF. In this Cauliflower you will find a remarkably sure and early heading variety. It is of dwarf habit, with short outside leaves, and is similar in all respects to Early Snowball. It produces smoothly rounded heads which are of uniformly even size, fine grained, compact and pure white. If planted in rich soil at proper season, heads 8 to 10 inches in diameter can be marketed in July. Pkt. 10c, ½ oz. $1.00, oz. $1.80, ¼ lb. $6.00.

EARLY SNOWBALL. A well-known variety, producing very early, fine grained, smooth heads, which are compact and even in size. The plants are of dwarf habit. On account of the short outer leaves the plant can be set out as close as 18 to 20 inches apart each way, a point of great value to market gardeners. Equally good for forcing or planting in open ground for main crop. We obtain this seed fromthe most reliable growers in Denmark. Pkt. 10c, ½ oz. $1.35, oz. $2.50, ¼ lb. $8.75.

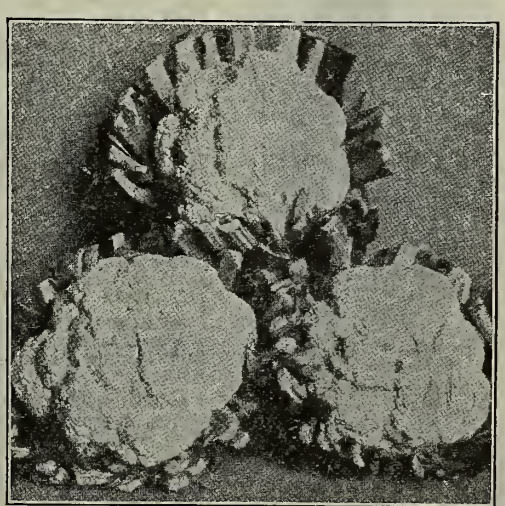
FIRST OF ALL. The Cauliflower for all Northern countries. Extra early, maturing its large, very solid heads in an extremely short time. Heads pure white, hard as stone. In quality unexcelled. Of vigorous growth, with short stem; foliage dark green and curled. To be especially recommended for the home garden. If you have experienced difficulties in getting your cauliflower to head up well, try our "First of All" and you will have the best results. Pkt. 10c, ½ oz. $1.00, oz. $1.75, ¼ lb. $5.00.

EARLIEST DWARF ERFURT. Best variety for forcing and open ground. Dwarf in habit; heads smoothly rounded, fine grained and pure white. Pkt. 10c, ½ oz. $1.00, oz. $1.80.

EARLY FAVORITE. Very early and a sure header. Dwarf growth, with short leaves. Pkt. 5c, ½ oz. 50c, oz. 90c.

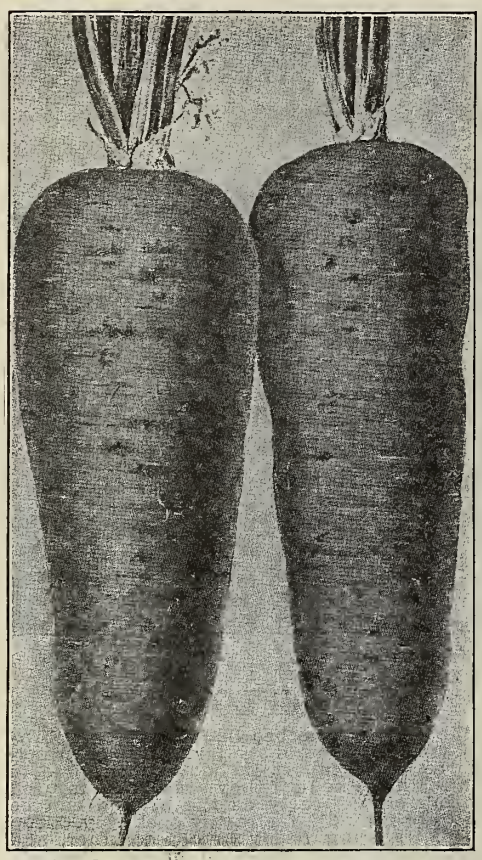
EARLY PARIS. Heads medium sized, compact, of excellent quality and flavor. Leaves large, stalk short. Pkt. 5c, ½ oz. 45c, oz. 80c, ¼ lb. $2.25.

NEW DANISH GIANT. The dry weather Cauliflower. This new and desirable Cauliflower originated in the same locality in Denmark which produced the Snowball. The heads are of large size, pure white and very solid. It also has large leaves which help to protect the head. It is later than the Snowball and has proven much more desirable for growing in the open ground and does well in dry seasons when other varieties show failure. Pkt. 15c, ¼ oz. 75c, ½ oz. $1.40, oz. $2.60.



Sonderegger's Improved Earliest Dwarf

The seeds you sent for our school gardens were carefully planted and tended. They were very good and have done well in spite of the drouth. We thank you for the favor and hope we may be of some help to you.—Reed V. Brigham.



Sonderegger's Improved Half Long

CARROTS

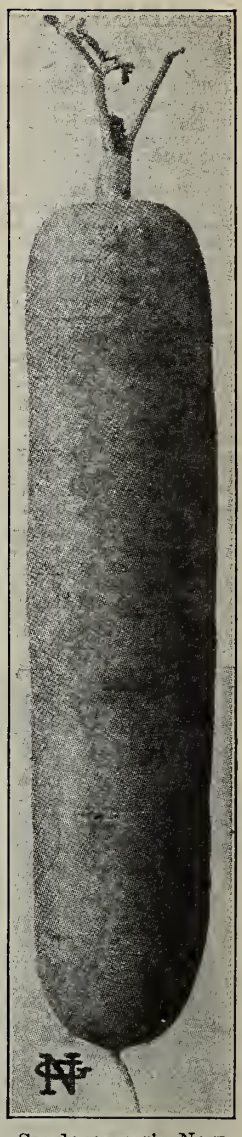
The Carrot is one of the most nutritious and healthful of roots, and should be more generally used for the table as well as for stock feeding purposes. Will grow in any soil; sandy loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about ½ inch. For field culture sow in drills 18 to 24 inches apart. One ounce will sow 100 feet of drill, 3 to 4 pounds per acre.

SONDEREGGER'S NEW SCARLET. This new carrot is of the best quality, and of good shape and size. The leaves are fine and the roots almost cylindrical, very smooth and grow about 6 inches long. The flesh is beautiful red, very sweet and tender and almost entirely without a core. It is also a heavy yielder, therefore can be recommended to everybody. A first class carrot for table use and can also be used to good advantage for stock. As the seed of this new variety is scarce, we can only offer them in packets and ounces this year. Pkt. 10c, oz. 25c.

SONDEREGGER'S IMPROVED HALF LONG. A splendid variety of half long carrots. Very smooth and handsome, of dark orange color; broad shouldered, stump rooted, cylindrical in shape and very productive. Under special care it has yielded from 20 to 25 tons per acre. Cooking qualities superb; in fact no carrot excels it in essential qualities, of uniform size, smoothness, sweetness, flavor and deep color. Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. 75c, postpaid.

OXHEART OR GUERANDE. Roots are very thick, five inches long and nearly as broad, and very blunt at the lower end. It grows rapidly and the roots often weigh a pound or over. Of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c, postpaid.

EARLY SCARLET HORN. A very popular extra early variety. Roots of medium size. Color orange scarlet; fine grained and of best flavor. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c.



Sonderegger's New Scarlet

EARLIEST FRENCH FORCING. Used extensively for forcing. Small, globe-shaped root of orange-red color; excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

GOLDEN ROD. A new half long table carrot; uniform in size, smooth, free from core, with sweet and tender flesh. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c.

DANVERS HALF LONG. Of rich orange color, smooth, stump rooted; flesh of fine texture and with little core. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

EARLY CHANTENAY. Very early, smooth, and of finest quality. Grows 5 to 6 inches long. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

LONG ORANGE. Grows to a large size, is of a rich orange color and fine quality. Very desirable for table use and stock. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 55c, postpaid.

Early Scarlet Horn

VICTORIA. A very large and rich stock carrot. Roots are very symmetrical, of excellent quality and orange yellow color. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid. By express 5 lbs. for $2.50, not prepaid.

LARGE WHITE BELGIAN. Root pure white, green above ground. It will grow to a very large size, and is easily gathered. Flesh rather coarse. Is raised extensively for stock. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid. By express, not prepaid, 5 lbs. for $2.50.

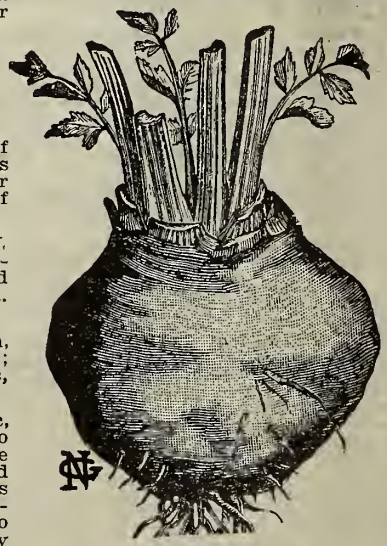
GERMAN CELERY OR CELERIAC

This popular German vegetable is worthy of more extended use. Keeps well all winter. It is much used in salads, and boiled like parsnips or turnips, it is a great favorite with lovers of celery.

CELERIAC OR TURNIP ROOTED CELERY. Grown exclusively for its very tender marrow-like roots. The roots are cooked and sliced, used with vinegar they make an excellent salad. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. $2.25, postpaid.

APPLE SHAPED CELERIAC. Roots smooth, apple shaped, with a fine neck and small leaves; very tender and of finest flavor. Pkt. 10c, oz. 30c, ¼ lb. 90c.

SONDEREGGER'S BEST. A new Celeriac, which according to experiments, has proven to be the best of all Celeriacs. The beautiful white roots are large, very smooth, of fine flavor and best quality. They will make delicious salads and are also fine for seasoning meats and flavoring soups. We feel assured that any one who tries this new Celeriac is bound to be perfectly satisfied with same. Pkt. 15c, oz. 40c.



Sonderegger's Best Celeriac

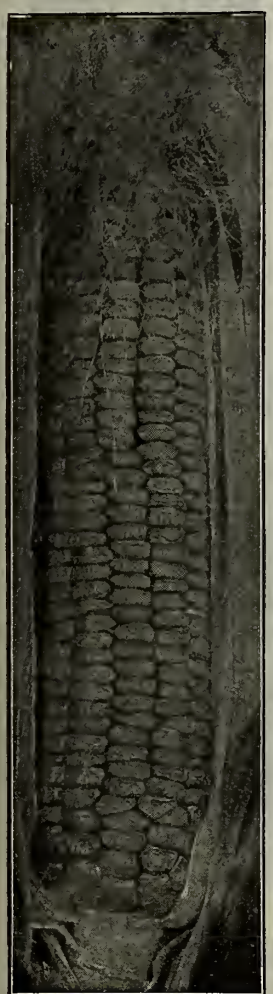
CELERY

One ounce will make about 2000 plants. Start seed in boxes or hot bed. Cover lightly, water well and transplant when 2 inches high in rows 3 feet apart and 6 inches in row.

SONDEREGGER'S SELECT SELF BLANCHING. This is the best sort for early market. Quality and appearance are excellent. Plants are of medium size, compact and stocky, with yellowish green foliage. As they mature the inner stems and leaves turn a beautiful golden yellow, so that blanching is very easily done. Of handsome color, crisp, tender, free from stringiness and of fine nutty flavor. Pkt. 15c, ½ oz. 30c, oz. 50c.

GOLDEN SELF BLANCHING. (Regular Stock.) American grown. Leading early market sort. Stalks broader and heavier than White Plume and superior in quality. Ribs are solid, crisp and brittle. Pkt. 10c, oz. 40c.

WHITE PLUME. This celery is valued because the stalks, inner leaves and the hearts are white. Tender, crisp and of good flavor, ripening very early. Pkt. 10c, oz. 35c.



Sonderegger's Improved Early Evergreen

GIANT PASCAL. Best keeper of all late sorts. Very solid and crisp. This variety is unsurpassed for the market gardener. Pkt. 10c, oz. 25c.

GOLDEN DWARF. Fine keeping golden dwarf sort. Heart large, surrounded by a solid stalk. Very popular. Pkt. 10c, oz. 25c.

WINTER QUEEN. Stalks stout, thick and heavy, with double the amount of heart than other kinds. Ribs solid, crisp and delicious. Pkt. 10c, oz. 25c, ¼ lb. 70c.

FLAVORING CELERY. Old seed for flavoring. Oz. 5c, ¼ lb. 15c, lb. 40c.

Sonderegger's Select Self-Blanching

SWEET CORN

One quart will plant about 200 hills. One-third bushel will plant one acre in hills. Sweet corn, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm. For a succession, plant every two weeks, in rich ground, in hills three feet apart each way, covering about one-half an inch, and thin out to three plants to the hill. The extra early varieties can be planted closer. Give frequent and thorough but shallow cultivation until tassels appear. Our price for packet, ½ pint, pint and quarts is postpaid, larger quantities go at the expense of the purchaser.

SONDEREGGER'S EARLIEST. A novelty which we have found to be of great value, as it is not only extremely early, but also very productive. The ears are about 7 to 8 inches long, well filled with white, sweet kernels and are ready for use among the first earliest of the season. The stalks get 4 or 5 feet high, are of sturdy growth and always have 2 or 3 ears on each stalk. In our trial gardens it has proven very satisfactory and we can recommend it to all our customers for the market and home garden. Pkt. 10c, ½ pt. 15c, qt. 50c, postpaid. Not prepaid, ½ pk. $1.00.

SONDEREGGER'S IMPROVED EARLY EVERGREEN. In this new sort we believe a truly valuable variety of Sweet Corn has been found. It resembles Stowell's Evergreen very much, only is ready for use much earlier, and remains in condition fit for use longer. The ears grow to a good size, usually about 7 or 8 inches long, are well filled and kernels are of a very sweet and tender flavor. An extra fine sort for market gardeners and for main crop. Pkt. 5c, ½ pt. 15c, pt. 25c, qt. 40c, postpaid. Not prepaid, ½ pk. 85c, pk. $1.50.

WHITE MEXICAN. The White Mexican possesses all the good qualities of the old Black Mexican—just as sweet, with just as fine a flavor—without the objectionable color. It matures early, is a good yielder, and remains in edible condition perhaps longer than any other early variety. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid. Not prepaid, ½ pk. 75c, pk. $1.35.

PEEP OF DAY. Of Minnesota origin, 5 to 7 days earlier than other well known early kinds. Ears 5 inches long, perfect in form, well filled and corn is tender and sweet. Pkt. 5c, ½ pt. 15c, qt. 40c, postpaid. Not prepaid, ½ pk. 85c, pk. $1.50.

GOLDEN BANTAM. Very early, one of the sweetest and richest corns ever known. Can be planted thickly and as late as July 15th. Pkt. 5c, ½ pt. 15c, qt. 35c, postpaid. Not prepaid, ½ pk. 75c, pk. $1.35.

ADAMS EXTRA EARLY. One of the earliest. Not a sugar corn, but a decided acquisition, ripening so very early in the season. Pkt. 5c, ½ pt. 12c, pt. 20c, qt. 35c, postpaid. Not prepaid, ½ pk. 50c, pk. 90c, bu. $3.00.

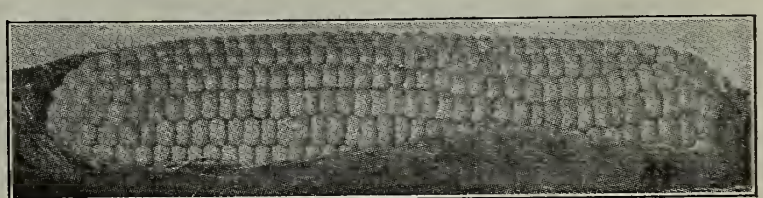
MAMMOTH WHITE CORY. Ears are twelve-rowed, and very much larger than the old Cory, white-cobbed and covered with large, white grains of good quality. Pkt. 5c, ½ pt. 12c, pt. 20c, qt. 35c, postpaid. Not prepaid, ½ pk. 60c, pk. $1.00, bu. $3.50.

EARLY MINNESOTA. Stalks four to five feet high, bearing 1 or 2 ears, long and eight-rowed, kernels very broad, sweet and tender. Pkt. 5c, ½ pt. 12c, pt. 20c, qt. 30c, postpaid. Not prepaid, ½ pk. 60c, pk. $1.00, bu. $3.50.

COUNTRY GENTLEMAN. Extremely productive; stalks average three ears and sometimes five. Kernels small, irregular, very deep and pure white, of very sweet and delicious flavor. Ears average 9 in. long. Pkt. 5c, ½ pt. 15c, qt. 35c, postpaid. Not prepaid, ½ pk. 75c, pk. $1.25.

STOWELL'S EVERGREEN. The standard variety. Very productive; ears large; grains deep, exceptionally tender and sugary, and remains long in edible condition. Pkt. 5c, ½ pt. 12c, pt. 20c, qt. 30c, postpaid. Not prepaid, ½ pk. 60c, pk. 90c, bu. $3.25.

MAMMOTH SUGAR. Produces the largest ears of any sort, excellent quality, sweet, tender and delicious. Ears average 10 to 12 inches long. Ripens late. Pkt. 5c, ½ pt. 12c, pt. 20c, qt. 30c, postpaid. Not prepaid, ½ pk. 60c, pk. 90c, bu. $3.25.



Sonderegger's Earliest Sweet Corn

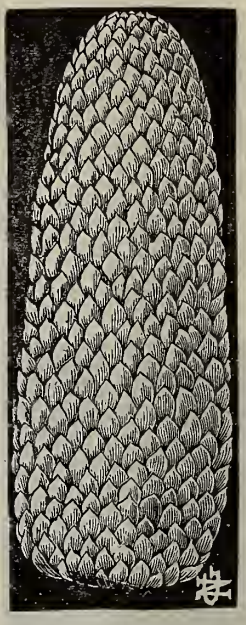
Davis Perfect

POP CORN

Two or three quarts will plant an acre. Give same culture as for Sweet Corn.

MONARCH WHITE RICE. It is the best white variety. Bears from 3 to 6 ears per stalk, and produces 1500 to 2000 lbs. per acre. Pkt. 5c, ½ pt. 10c, qt. 30c, postpaid. Not prepaid, ½ pk. 60c, pk. $1.00.

QUEENS GOLDEN. Color a peculiar lustrous golden yellow, pops to a rich cream color, very prolific. Pkt. 5c, ½ pt. 10c, qt. 30c, postpaid. Not prepaid, ½ pk. 60c, pk. $1.00.



White Rice Pop Corn

CUCUMBER

One ounce will plant about 50 hills, two to three pounds to the acre. Succeeds best in a rich, loamy soil. For first early sow in hotbeds, six weeks before the plants can be set out in the open ground. For general crop plant in May, in open ground, about 10 seeds to a hill, the hills 4 feet apart each way.

CHICAGO OR WESTERFIELD PICKLING. Selected stock. Fine for market. It is the best cucumber for pickles, and is used by a vast majority of the pickle factories. The fruit is of medium length, pointed at both ends, with large and prominent spines. The color is a beautiful deep green. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

NEW EVERBEARING. It is of small size, very early, enormously productive, and valuable as a green pickler. Continues to produce fruit until killed by frost, whether the ripe cucumbers are picked off or not. The fruit is perfect in shape, of a fine green color. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

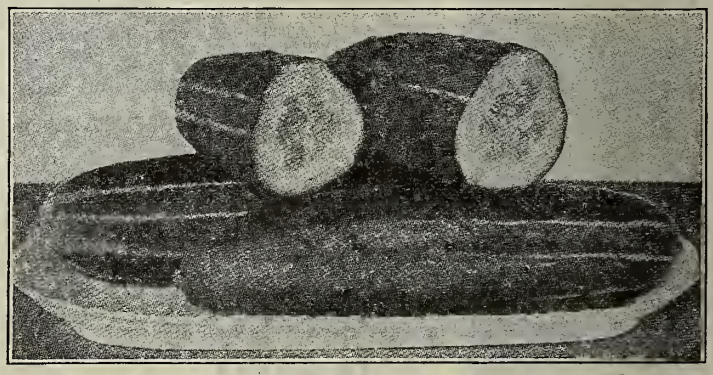
KLONDIKE. The color is a rich, dark green, and the fruits grow to a uniform size, measuring about seven inches in length and two inches thick when in good condition for use. Matures early; continues to bear for a long time. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c postpaid.

BOSTON PICKLING. A distinct variety which has obtained a great degree of popularity as a pickle. The fruits are bright green, of medium size, very smooth and symmetrical and a great producer. Flesh crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

IMPROVED LONG GREEN. A standard main crop variety, about nine inches long, of excellent quality, and makes the best pickles. Also one of the best for slicing, being tender, crisp and of fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

CUMBERLAND. Hardy, rapid, vigorous grower and very prolific. The fruits are thickly set with fine spines over the entire surface except the extreme end. They are exceptionally straight and symmetrical, and the flesh is crisp and tender. A fine pickling cucumber. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

JAPANESE CLIMBING. While all cucumbers are running vines, yet this variety is much more creeping or climbing in its habit, so much so, that it quickly climbs on poles or trellises. This makes it very desirable for small gardens, as it takes up less room, and the fruits keep much cleaner as they are kept up from the ground. The quality is splendid for pickling, as well as for slicing for salads. The fruits are of good size and of fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, postpaid.

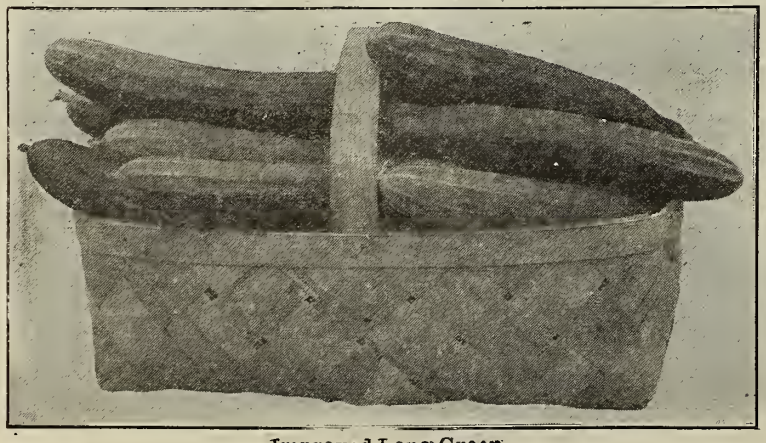


Improved Early Long White Spine

DAVIS PERFECT. An excellent cucumber for both outdoor use and forcing. The fruits grow eleven to twelve inches long on an average; slim, slightly pointed, a dark, glossy green color, which they keep until ripe; then turning white. In quality it is very tender, brittle and of fine flavor. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. 90c, postpaid.

IMPROVED EARLY LONG WHITE SPINE. Selectedstock. The most popular variety with market gardeners. One of the best for the table. Flesh tender and crisp. Fruit uniform in size, straight and light green, with few spines. Very prolific. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

EARLY FRAME OR SHORT GREEN. Excellent for table use and pickling. Fruit is straight, handsome, smaller at each end, bright green; flesh crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.



Improved Long Green

AFRICAN HORNED. Fruit of curious form, covered with small horn-like eruptions. Color deep green, turning to orange yellow when ripe. Quality excellent. For pickling and slicing a very desirable variety. Pkt. 10c, oz. 25c.

LEMON CUCUMBER. The fruits are nearly round with the yellow and green markings and smooth skin of lemon, while the flesh is exceedingly tender and crisp, with a sweet flavor. The vines grow and produce fine fruits until killed by frost. Pkt. 5c, oz. 15c, ¼ lb. 50c.

GHERKIN OR BURR. Used exclusively for pickling; fruit 2 to 3 inches long and prickly. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25, postpaid.

SNAKE. Curious as well as useful. Grows to 5 feet in length, coiled like a snake. Quality very good. Fine for exhibition purposes and home use. Pkt. 10c, oz. 20c.

LETTUCE

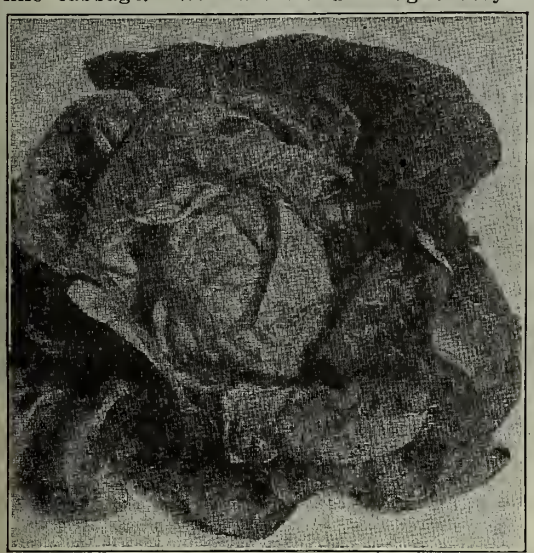
Lettuce seed should be covered very shallow to secure germination. For early spring use sow in September and protect through the winter in cold frames same as cabbage, or sow in hotbed in March, and transplant to open ground as soon as it can be worked. For late supply sow in the open ground as soon as the season will permit, in rows one foot apart; thin out plants 8 to 10 inches in rows. If sown every two or three weeks to the middle of August, it may be had in perfection the entire season. One ounce will sow 100 feet in drill, 3 to 4 pounds to the acre.

SONDEREGGER'S EXTRA EARLY HEAD. This new lettuce is sure to become popular both in home or market gardens. Heads are of medium size, solid, round; leaves of light green color, outer leaves slightly tinged with brown and inner leaves of a bright yellow. The flavor is very rich, buttery, crisp and tender. It is hardy as well as very early, and its fine, large heads are ready for use in advance of any other head lettuce. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.10, postpaid.

IDEAL FORCING. The earliest and best in every respect for forcing purposes. Head is perfectly rounded, unsurpassed for firmness and quality. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.25, postpaid.

GERMAN ICEHEAD. A new Lettuce from Germany. Heads very large, of crisp, delicious flavor, yellowish green, outer leaves finely curled, enclosing the very solid heads, like cabbage. Will withstand drought very well and stand 4 to 5 weeks before running to seed. The leaves are so tender and brittle as to have suggested the name Icehead. Pkt. 10c, oz. 20c, ¼ lb. 65c.

Sonderegger's Extra Early Head



Ideal Forcing

IMPROVED HANSON. It forms large, firm heads, which are deliciously sweet, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

MAY KING. The new early lettuce. It has medium sized, solid and round heads. Flavor rich, crisp and tender, melting in the mouth like butter. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. $1.10, postpaid.

BIG BOSTON OR IMMENSITY. The plants are large, hardy and vigorous, with broad, smooth, thin leaves of light green color, and when well grown are very tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.00, postpaid.

BLACK SEEDED SIMPSON. (Selected Stock.) Forms large, loose heads of light green color; leaves quite thin; very tender and crisp, of fine quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, postpaid.

EARLY CURLED SIMPSON. White seeded. Forms large, loose heads. Leaves crimpled, dark green; very tender and crisp. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c.

ALL SEASONS. Forms large, handsome, solid heads, almost as large as Flat Dutch cabbage. Color a light grayish green, never spotted nor brownish. Leaves broad and thick; quality excellent. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 95c.

GERMAN BUTTERHEAD. Produces fine, large heads of extra quality, remarkably tender and crisp, sure to head and of quick growth. One of the best for forcing or summer use, as it is slow to shoot to seed and resists heat well. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, postpaid.

DENVER MARKET. Early head lettuce, good either for forcing or open ground. The leaves are beautifully crimpled and curled like the Savoy cabbage; very crisp, tender and of excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

GOLDEN SPOTTED. Very fine new lettuce from Germany, forming medium sized, very solid heads. The outer leaves are bronze yellow, with brown spots. In quality equal to any of the well-known varieties. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.40.

PRIZE HEAD. Leaves are of reddish brown color, variegated with dark green. The heads are of good size, tender and of excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, postpaid.

PARIS WHITE COS. Cos Lettuce is of conical form, with elongated head. Outer coloring is yellowish green. Very crisp and sweet. Pkt. 5c oz. 10c, ¼ lb. 25c, lb. 90c.

Early Curled Simpson

Extra Early Hackensack

MUSK MELON

Earliest varieties ready in 80 to 100 days from sowing. General crop requires 115 to 140 days. Melons thrive best in a light, rich soil. Plant when ground has become warm and dry, and danger from frost is past, in hills six feet apart each way, in well enriched soil, 12 to 15 seeds in a hill. After all danger of bugs is over, thin out to three plants per hill. One ounce will plant 60 hills, 3 lbs. to the acre.

RUST-RESISTANT ROCKY FORD. (Novelty.) The highest development yet attained in the Rocky Ford Cantaloupe, both in netting and rust-resisting qualities. The heavy gray netting being closely laced and interlaced over the entire surface of the melon from the stem to the well-developed blossom button. The meat is light green and very deep; its flavor is not excelled by any of the green meat sorts, and none of them are better, if as good shippers. **It is highly rust resistant.** Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. $1.25.

HUNGARIAN PINEAPPLE. A decided acquisition and the finest flavored, sweetest and most aromatic of all muskmelons. Ripens medium early, very prolific and a good shipper. Exterior very interesting; warty; when ripe of brilliant golden yellow. Flesh deep red, very rich and juicy, resembling the pineapple in its aromatic flavor. Pkt. 10c, oz. 30c.

EXTRA EARLY HACKENSACK. Melons weigh from 4 to 10 pounds, round in form, flattened at the ends and well ribbed. Skin is deeply netted. Flesh light green, rich and sugary, and of excellent flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, postpaid.

BURRELL GEM. Of the same size and shape as the well-known Rocky Ford, but the flesh is of a rich golden color and most delicious flavor but still solid. Abundant yielder. Meat is thick and fine grained. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

Thoroughbred Rocky Ford

THOROUGHBRED ROCKY FORD. Flesh is greenish white in color, very juicy and rich. It is medium in size, of round, oval form and good keeper. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c.

NETTED NUTMEG. Often called Early Green Nutmeg. Vines vigorous, hardy, productive; fruit round, slightly flat, ribbed, covered with coarse netting, flesh very thick, green and of the finest flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, postpaid.

BANANA. Long, slim, banana-like fruit, cream color; flesh salmon, of rich flavor and delicious odor. Matures late. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.15, postpaid.

ADMIRAL TOGO. A small muckmelon with the very thick, orange flesh and splendid quality of the Defender and possesses the characteristic netting, shape, size and shipping quality of the Rocky Ford. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.45, postpaid.

OSAGE. Of medium size and oval. Rind thin, dark geeen and netted. Flesh deep salmon, remarkably sweet, and of spicy flavor. Seed cavity very small. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

HOODOO. Nearly round, rind very tough, surface thickly netted. The melons average 1½ lbs.; very solid and heavy. Flesh rich salmon colored, sweet and delicious. Pkt 5c, oz. 10c, ¼ lb. 25c, lb. 90c.

EMERALD GEM. Of excellent quality and medium size. The white ribbed skin is perfectly smooth and of a deep emerald green color. The flesh is thick, of a rich salmon color, very juicy and very rich. Rind thin. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

PAUL ROSE OR PETOSKEY. A hybrid of the Osage and Netted Gem, combining the color and thickness of the former with the good flavor of the Gem. Very solid. Rind is green, netted; flesh reddish salmon. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

EUROPEAN MIXED. This is a grand mixture of many rare European and African varieties, including such kinds as the Black Portugal, Apple Shaped, Winter Olive, Algerian, Turkestan and French melons. Pkt. 10c.

Hoodoo

STRAWBERRY. Melon with the delicious flavor of the strawberry. Its smooth, deep flesh is salmon red. Skin green, turning yellowish when ripe. Pkt. 10c, oz. 25c.

KHIVA OR WINTER PINEAPPLE. Delicately flavored winter-keeping melon. Flesh is whitish green and very thick; rind is firm, of grayish green color. Not real delicious until November. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.50.

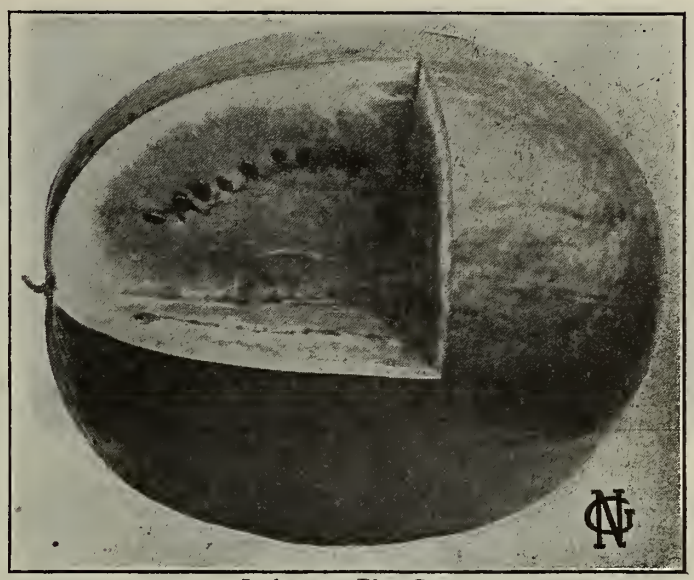
HYBRID CASABA. A late variety that has become very popular in the South. Flesh is nearly 2 inches thick, of excellent flavor, very juicy and melting. Fruits are good size, oblong, greenish yellow. A heavy yielder; bears till frost. At first sign of frost cut all melons and keep in a dry place. Pkt. 10c, oz. 25c, ¼ lb. 70c.

WATER MELON

A light, sandy soil, with good exposure to the sun, is the best for water melons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. To get good, strong vines early in the season, form large, well-drained hills of earth, made very rich, about 8 feet apart. In these plant the seed as soon as the ground is warm and dry, dropping 6 to 10 seeds in the hill. Protect the young plants from insects. One ounce to 30 hills, 3 lbs. to the acre.

TOM WATSON. An extra long melon of attractive appearance, uniform in shape and quality. The dark green rind is tough, but thin and easily withstands shipment to distant markets. The deep red flesh extends to within three-fourths of an inch of the green rind, is crisp, melting and of finest flavor. The melon measures about 24 inches long and 12 inches in diameter and often attains a weight of from 50 to 60 pounds. It is very prolific, producing in great abundance the large, delicious fruits. Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. $1.25, postpaid.

COLE'S EARLY. Can be grown farther north than any other variety. Flesh is bright red, crisp, very delicate, sweet and excellent in flavor. It is an abundant bearer of medium sized but very solid melons, with thin rind. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

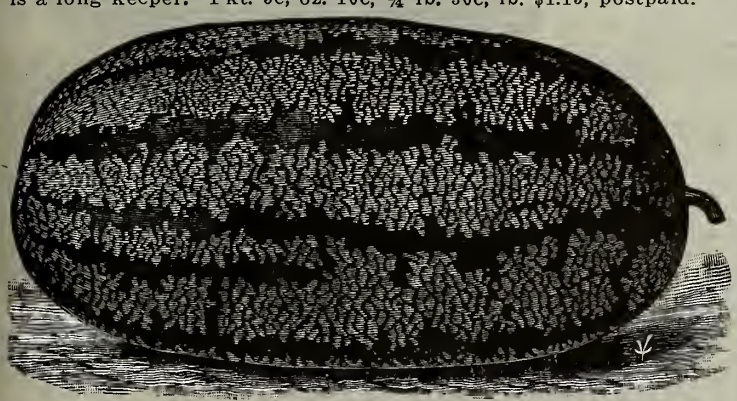


Iceberg or Blue Gem

SWEETHEART. Fruit large, oval and very heavy, uniformly mottled in light and dark green. Rind very thin, but firm. Flesh bright red, solid, tender, melting and sweet. Oz. 5c, ¼ lb. 15c, lb. 55c, postpaid.

DIXIE. Color of skin dark green, striped with a lighter shade; rind thin, but tough; flesh bright scarlet, of high flavor, ripens closely to the rind. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid.

PRIDE OF NEBRASKA. Vine vigorous and productive; fruit of medium size, oval. The skin is a dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early and is a long keeper. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1.15, postpaid.



Wonderful Sugar

KLECKLEY'S SWEET. Very productive. The fruit is oblong, color dark green, flesh deep red, stringless, solid and very sweet, with but few seeds set near the rind. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, postpaid.

McIVER'S WONDERFUL SUGAR. The fruits are long, averaging about 35 lbs. each. Rather light colored, irregularly striped and mottled with dark green. The rind is thin but tough, so that it is a good shipper. Flesh is delicate light red, entirely stringless, very tender, julcy and luscious. Oz. 5c, ¼ lb. 15c, lb. 55c postpaid.

KOLB'S GEM. Fruit of the largest size, slightly oval, marked with irregular stripes of dark green and very light green. Flesh bright red, extending to within half an inch of the rind, always solid, very firm, sweet and tender. An excellent keeper and shipper. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid.

ICE CREAM. (White Seeded.) Medium sized, of excellent quality, early and very productive. Being thin in rind, it is not so well adapted for shipping to distant markets. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

ICEBERG OR BLUE GEM. Has a very firm, hard rind and is quite as good a shipper as Kolb's Gem, but the flesh is much deeper colored, more tender and sweet. An excellent keeper. Ounce 5c, ¼ lb. 15c, lb. 55c, postpaid.

GYPSY OR RATTLESNAKE. Of very large size, light green with dark stripes. Flesh bright scarlet and very sugary. Ounce 5c, ¼ lb. 15c, lb. 50c, postpaid.

ALABAMA SWEET. The rind is a dark green marked with a still darker green mottled stripe and, while thin, it is very tough, making the melon a first-class shipper. The flesh is bright red, fine grained, sweet and luscious, entirely stringless and very firm. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, postpaid.

CITRON. For preserving. Grows uniformly round and smooth, dark green, mottled with light green; flesh white and solid. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c, postpaid.

MIXED VARIETIES. Many kinds in a good mixture. By planting these you will have early and late, large and small melons. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, postpaid.

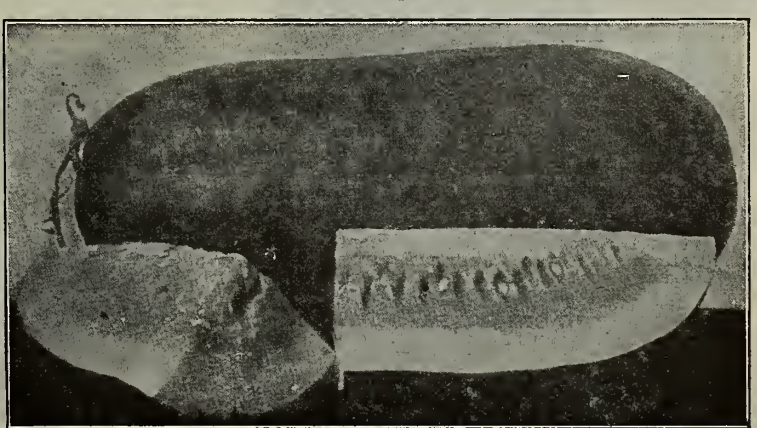
Arena, Colo., 3-5-1914.

Received your garden seed in fine shape. Are well pleased with same. I loaned your book to a neighbor and they are sending an order to you, they like the looks of your seed catalogue and the way ours came.—Don M. Wood, Route 1.

Goodman, Mo., 1-16-1914.

Please send me your garden book for 1914. I am an old customer of yours and have always been well pleased with the seeds I have gotten from you.

John Gabriel.



Alabama Sweet

Yellow Globe Danvers

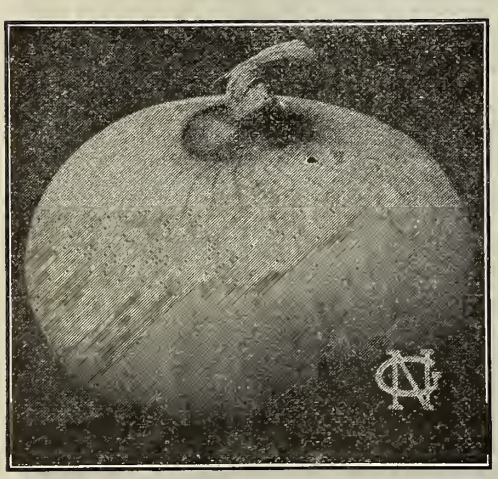
OHIO IMPROVED WETHERSFIELD. The bulbs are very uniform in shape and size, somewhat larger on an average than the old, well-known strain, while in flavor they are milder. Pkt. 10c, oz. 20c, ¼ lb. 50c, lb. $1.80, postpaid.

YELLOW GLOBE DANVERS. Bulbs are of large size, very thick and of globular shape. Flesh white, solid, and of good quality. The crop is uniform and ripens at one time. One of the best yielding varieties. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. $1.50, postpaid.

DANVERS YELLOW FLAT or Large Strassburg. Similar to Yellow Globe Danvers, except in shape. Ripens very quick, is a sure cropper and yields well. Will stand drought well and is used to a large extent for growing onion sets. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.65, postpaid.

AUSTRALIAN BROWN. Early. Exceeds any other onion in keeping qualities. Will produce a fine crop of hard, solid onions, even in unfortunate seasons. Of globe shape. The skin is light brown, flesh pure white and exceptionally mild. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.70.

EXTRA EARLY BARLETTA. The very earliest onion in cultivation. They are of a pure paper-white color, very mild and delicate in flavor; 1½ inches in diameter, and ¾ of an inch in thickness. For table use and pickling. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.65, postpaid.



White Bermuda

bulbs are smaller, but mature early, and retain much of the mild, sweet flavor of the imported ones. The onions are pearly white, of flat shape and very mild. Pkt. 10c, oz. 25c, ¼ lb. 80c, lb. $2.75, postpaid.

NEW CRYSTAL WHITE WAX. Teneriffe Seed. This is a large, pure white, flat onion. Grows to a good size, very early, and is the mildest and sweetest of all onions. It is the finest slicing onion for the home garden. True seed is very scarce. Pkt. 10c, oz. 30c, ¼ lb. $1.00, lb. $3.00, postpaid.

WHITE WELSH ONION. For Green Onions. Does not form a bulb, but puts out many shoots, making it the best kind for "green onions." On account of the mild and sweet flavor, it is superior to the green onions grown from sets. The plant is perennial. Sow either in spring or fall. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. $1.90, postpaid.

ONIONS

A strong, deep, rich and loamy soil is most suitable for this crop. As early in the spring as the ground is in working order, harrow it thoroughly and make as fine and level as possible, sow thinly in drills one-fourth inch in depth and fourteen inches apart. Keep the surface of the ground open and free from weeds, but do not ridge up to the growing bulbs. One ounce will sow 100 feet of drill, 4 to 5 lbs. to the acre.

Write for special quotation on large lots.

EXTRA EARLY RED FLAT. Uniform in size and shape, quite flat, of deep red color and mild flavor. An abundant yielder, ripens up hard and keeps well. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.65.

LARGE RED WETHERSFIELD. Of large size, heavy yielder and most excellent keeper. Form round, somewhat flattened, skin deep purplish red; flesh purplish white, moderately fine grained and of stronger flavor than other kinds. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.70, postpaid.

Large Red Wethersfield

SOUTHPORT YELLOW GLOBE. A fine strain of yellow globe, bulbs of handsome appearance and superior quality. They are fine keepers, uniform in size and shape. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. $1.70, postpaid.

SOUTHPORT RED GLOBE. Medium early, grows to a large size, skin deep red, flesh fine grained, mild and tender. A good yielder. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. $2.00, postpaid.

LARGE WHITE GLOBE. Pure white, of large size and globe shape. An immense yielder and good keeper. The flesh is very fine grained, solid, of fine flavor and very mild. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. $2.50.

SILVER SKIN or White Portugal. A large, flat onion of mild, pleasant flavor. Ripens quickly. Is used for bunching, pickles and for growing onion sets. Pkt. 5c, oz. 20c, ¼ lb. 70c, lb. $2.50, postpaid.

WHITE BERMUDA. True Teneriffe Grown. These are the first early onions which are shipped North in large quantities, both from Bermuda and our Southern states. Our imported Teneriffe seed gives the best results. In our Northern climate the

Mammoth Silver King (Page 85)

ONIONS—(Continued)

GIANT ONIONS

SONDEREGGER'S PRIZETAKER. The largest and handsomest Yellow Globe Onion. They attain an immense size, 15 inches in circumference, being often attained under favorable conditions. This onion is of the same type as the large Spanish onions imported in quantity and sold in crates, which always command a high price. It is of a bright straw-colored skin and thin neck. Ripens up hard and fine; flesh is pure white, fine grained, mild and of delicate flavor. Excellent for fall or early winter use. Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00, postpaid.

PRIZETAKER. One of the largest onions in cultivation. Is of globular shape with a bright straw colored skin, the necks are very thin and the large, handsome bulbs always ripen up hard. An excellent keeper and of finest flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.85, postpaid.

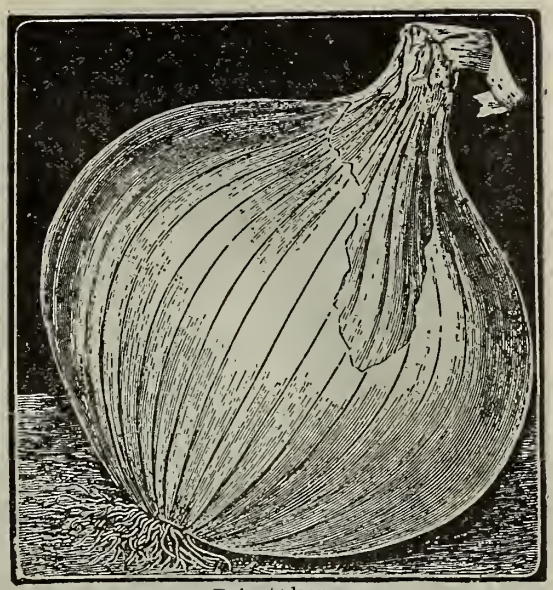
GIANT ZITTAU. The bulbs are of uniform globular shape, very large, solid and heavy. The flesh is pure white, fine grained and of mild, agreeable flavor. It is the best keeper. Ripens medium early and very evenly in all soils. Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $2.00, postpaid.

MAMMOTH SILVER KING. The largest of all white onions. It is of attractive form, flattened, but thick through. The skin is silvery white, sweet and tender. Matures early and is of uniformly large and fine shape. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00, postpaid.

MAMMOTH POMPEII OR COPPER KING. Have been grown to the enormous size of five pounds and six ounces. Skin of copper red color, flesh pure white, fine grained and mild. Pkt. 10c, oz. 25c, ¼ lb. 65c, lb. $2.00, postpaid.

COLLECTION OF GIANT ONIONS

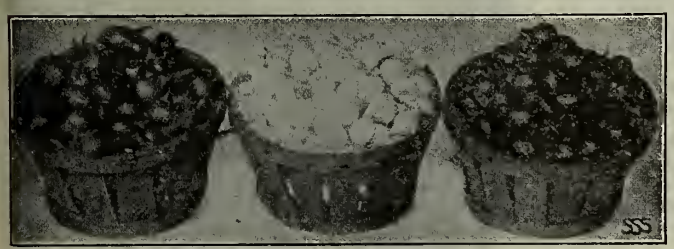
One Packet each of Sonderegger's Prizetaker, Prizetaker, Mammoth Silver King, Giant Zittau and Mammoth Pompeii, for only 25c, postpaid.



Prizetaker

ONION SETS

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. Our stock is carefully grown and very nice. Price by the peck or bushel is subject to market variation, and shipped at buyer's expense. Top sets are sold at 28 lbs. per bushel. Other kinds 32 lbs. per bushel, or stroke measure on all small lots. If you want a large lot, write for prices.



Onion Sets

WHITE BOTTOM SETS. The most popular and best for early use and large onions. Pt. 12c, qt. 20c, postpaid; not prepaid, pk. 75c, bu. $2.50.

RED BOTTOM SETS. Pt. 12c, qt. 20c, postpaid; not prepaid, pk. 70c, bu. $2.40.

YELLOW BOTTOM SETS. Pt. 12c, qt. 20c, postpaid; not prepaid, pk. 80c, bu. $2.60.

RED TOP OR BUTTON SETS. Earliest of all. Pt. 20c, qt. 30c, postpaid; not prepaid, pk. $1.25, bu. $4.00.

SHALLOTS. Pt. 25c, qt. 40c, postpaid; not prepaid, pk. $1.50, bu. $5.00.

WHITE MULTIPLIER SETS. Excellent quality; very early. Pt. 25c, qt. 40c, postpaid; not prepaid, pk. $1.50, bu. $5.00.

POTATO OR MULTIPLIER SETS. Early cropper. The sets are the largest of all. Pt. 20c, qt. 35c, postpaid; not prepaid, pk. $1.50, bu. $5.00.

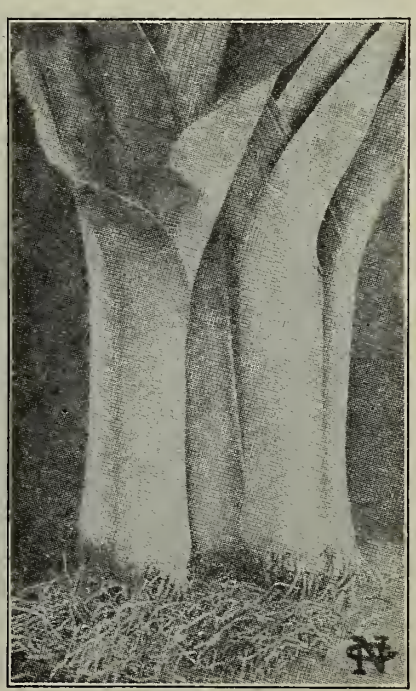
PERENNIAL OR WINTER SETS. Also called Egyptian or Tree Onion. Produce the earliest spring onions without winter protection. Pt. 10c, qt. 20c, postpaid; not prepaid, pk. 65c, bu. $2.25.

LEEK

A species of onion highly esteemed for flavoring soups. Sow in middle of spring; when plants are 3 to 4 inches high transplant.

LARGE LONDON. The variety most generally sown. A large, strong plant, with broad leaves of mild, pleasant flavor. Hardy. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.90.

GIANT PRIZETAKER. On account of its size and attractive appearance, this variety is ideal for growing to show at exhibitions and market. In quality it is better than any other variety, the white stems being of mild flavor. Pkt. 10c, oz. 20c, ¼ lb. 70c.



Large London Leek

MUSTARD

WHITE. Best for salad and culinary purposes. Oz. 5c, ¼ lb. 15c, lb. 40c, postpaid.

SOUTHERN GIANT CURLED. Highly esteemed in the South, where seed is grown in fall and plants used early in spring as a salad. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c.

PARSNIP

One ounce will sow 200 feet of drill, five pounds for one acre. Sow early in the spring, in drills 15 inches apart, covering half an inch deep. When well up, thin out to 5 or 6 inches apart in the rows. They are improved by frost, and it is usual to take up in the fall a certain quantity for winter use.

IMPROVED GUERNSEY. Roots not so long as the Hollow Crown, but of greater diameter. Very smooth, fine grained and of excellent quality. A heavy cropper. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, postpaid.

HOLLOW CROWN OR LONG SMOOTH. Roots long, ending somewhat abruptly with a tap root. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c, postpaid.

Champion Moss Curled Parsley

PARSLEY

One ounce to 150 feet of drill. Soak the seed a few hours in luke warm water and sow early in the spring in drills one foot apart. Thin out to four inches. A few seeds sown in onion rows use no space. To preserve in winter transplant to a light cellar, or glass frames. Used for garnishing and seasoning.

CHAMPION MOSS CURLED. Leaves extra large and a deep rich green. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c, postpaid.

DWARF PERFECTION. The plant is of dwarf, symmetrical form, 6 to 8 inches high and 10 inches across. Leaves finely curled, light green. Of highly decorative appearance and fine delicate flavor. Pkt. 10c, oz. 25c, ¼ lb. 75c, postpaid.

NEW EMERALD. The plants are of compact growth; the leaves are of a handsome bright green color, very finely crimpled and curled. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

HAMBURG. Turnip rooted variety. The roots as well as the leaves are used for flavoring soups, etc. Pkt. 5c, oz. 10c. ¼ lb. 25c, lb. 85c.

PEPPER

Sow in hotbed in April and transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. May also be sown in the open ground when all danger of frost is past and the soil is warm. One ounce to 2,000 plants.

GOLDEN HERCULES. A giant among the Pepper fruits. The fruit has solid flesh of good flavor and of a magnificent golden yellow color. The plant grows uncommonly strong and is extremely productive, there often being a dozen of well-shaped fruits on one plant at one and the same time. Its value is still increased by the upright growing of the fruits, which exposes them to the sun and keeps them from touching the ground. Pkt. 15c, 3 for 40c.

CHINESE GIANT. Undoubtedly the largest Pepper in existence. The plant is of strong growth, and a very prolific bearer. Flesh is thick, of bright scarlet color, very mild and sweet. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. $1.25.

REINETTE. So mild and aromatic is the flesh that the fruit can be eaten raw like an apple, and prepared like a salad. The habit of the plant is compact, of luxurious growth and produces in great quantities large fruits of beautiful dark red color. Pkt. 10c, ½ oz. 15c, oz. 30c, ¼ lb. $1.15.

LARGE SWEET SPANISH. Bell shaped. A very large sort of square form, thick and hard, less pungent than most sorts. Ripens early. Pkt. 5c, oz. 15c, ¼ lb. 50c.

RED CAYENNE. A long, slim pod, and when ripe of a bright red color; extremely strong and pungent. Pkt. 5c, oz. 15c, ¼ lb. 50c.

RUBY KING. The fruits are five to six inches long, by four inches thick, of a bright red color. Remarkably mild and pleasant in flavor. Pkt. 5c, oz. 20c, ¼ lb. 60c.

MAMMOTH GOLDEN QUEEN. Eight to ten inches long. Bright, waxy, golden yellow, and of mild flavor. Pkt. 5c, oz. 20c, ¼ lb. 60c.

RED CHILI. Small fruits, three inches in length and about an inch in diameter. Bright red, very hot and fiery. Ripens early. Used for making Mexican Chili. Pkt. 5c, oz. 20c, ¼ lb. 65c.

Chinese Giant

PUMPKIN

Pumpkins are frequently planted in connection with a crop of corn, or as a second crop after early peas, etc. Plant in drills 8 to 12 feet apart, one ounce of seed for 25 hills; 3 to 4 pounds per acre. If planted with corn, two pounds will plant an acre. The fruits are very susceptible to frost, and should be gathered and stored in a cool, dry place in the fall.

Common Field

TENNESSEE SWEET POTATO. Hardy, productive, sweet and delicious. It is of medium size, of a white, creamy color and has an excellent flavor; a good keeper. Pkt. 5c, oz. 10c ¼ lb. 25c, lb. 85c, postpaid.

JAPANESE PIE. Skin is deep green, with darker stripes turning to yellow as fruit ripens. Earlier than any other pumpkin. Flesh very thick, a rich salmon color, nearly solid dry and sweet, making rich pies. Pkt. 5c, oz. 10c, ¼ lb. 25c lb. 75c, postpaid.

LARGE SWEET CHEESE. Fruit flattened, skin cream color; flesh yellow, thick and very tender. Large, hardy and productive. Good keeper. Oz. 5c, ¼ lb. 15c, lb. 45c, postpaid.

CUSHAW OR CROOKNECK. Very productive, color light cream, sometimes lightly striped; flesh salmon colored, mealy and sweet. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

KING OF MAMMOTHS. Grows to an immense size, often weighing over 200 lbs. The flesh and skin are of a bright golden yellow color. Flesh fine grained and of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, postpaid.

SMALL SUGAR. Also called Sweet Pumpkin. It is small being about ten inches in diameter. It has a deep orange yellow skin, and fine grained flesh; handsome and is an excellent keeper. The average weight is about five pounds. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

COMMON FIELD. Well known old Connecticut Field Pumpkin, which is of medium size, orange yellow color and good flavor. If planted with corn it only requires 2 lbs. of seed per acre. Also a good sort for kitchen use. Oz. 5c, ¼ lb. 15c, lb. 40c, postpaid; not prepaid, 10 lbs. $2.75.

PEAS

Peas mature earlier in a light, rich soil; for the general crop a moderately heavy soil is best. Commence sowing the early varieties as soon as the ground can be worked, continue for a succession every two weeks until June. It is a good plan to sow the early, second early, and late varieties at the same time for succession. One quart for 100 feet of drill; two or three bushels for one acre. The wrinkled varieties are more susceptible to cold, wet weather than the small, round sorts, hence should not be planted very early. They are sweeter and better flavored. In comparing prices, please bear in mind that our prices are postage paid by us on pints and quarts, and if ordering by express or freight, purchaser paying charges.

GOLDEN KING (Novelty). This new introduction is a novelty of great merit. It is of beautiful appearance and splendid quality. They grow about four feet high, have deep green foliage and are of a healthy and quick growth. The pods are of a rich golden yellow color, are well filled with 8 to 10 large peas of a very delicate and sweet flavor. Undoubtedly a splendid variety and should be tried by everyone. Pkt. 15c, ½ pt. 25c, pt. 40c, qt. 75c, postpaid.

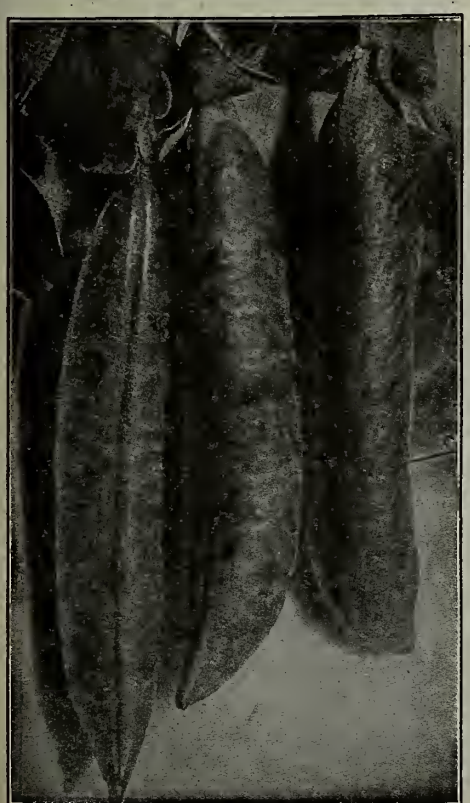
SAXONIA. (Novelty). This new pea is as early as the well known First and Best, but nearly doubly as productive and the pods are fully one-third to one-half larger. The plants grow two feet high and are healthy, vigorous and hardy. The pods are 3½ to 4 inches long and ready for market with the extra early sorts, they appear in great quantities, mostly in pairs, and are of the same shape and about as full of large peas as the main crop varieties. Will yield big crops of splendid quality peas for all purposes. Highly to be recommended for the market as well as the home garden. It is without doubt the best of all extra early peas. Pkt. 10c, ½ pt. 20c, pt. 35c, qt. 60c, postpaid.

ALASKA. A variety of remarkable earliness and hardiness. It is a good yielder and produces pods of good size and dark green color, which are well filled with round smooth peas of splendid flavor. Height two feet. The color of the dried pea is green. Ready for table in 48 days. Pkt. 5c, ½ pt. 15c, qt. 35c, postpaid. Not prepaid, ½ pk. 85c, pk. $1.65.

FIRST AND BEST. The standard extra early variety of smooth seeded peas, well known everywhere and largely planted by market gardeners and for home use. Pods are of good size and well filled with round, smooth peas of excellent flavor, ripening at one time, so that generally the entire crop may be gathered at one picking. Is very productive and hardy. Height of vine 2 to 2½ feet. Ready for the table in 50 days. Pkt. 5c, ½ pt. 10c, qt. 35c, postpaid. Not prepaid, ½ pk. 80c, pk. $1.50.

EXTRA EARLY TOM THUMB. An extremely early variety of superior merit. Vines dwarf, about nine inches high, completely covered with an abundance of the finest well-filled pods. It is of such upright growth that it can be planted in rows 10 inches apart. Matures in 40 to 45 days, and is always in great demand for the home garden, especially for the small city garden. Don't fail to include this variety in your order. Pkt. 10c, ½ pt. 15c, qt. 55c, postpaid. Not prepaid, ½ pk. $1.15, pk. $2.15.

Saxonia



Everbearing (Page 88)

BOUNTIFUL. Very early and hardy. Of vigorous growth, 2½ feet high, bearing a bountiful crop of large pods well filled with good sized peas. In quality unsurpassed by any other extra early sort. This splendid variety is a money maker for the market gardener and a very fine sort for the home garden. Will outyield the Alaska and be ready for the market at the same time. We can recommend it highly. Pkt. 10c, ½ pt. 20c, qt. 55c, postpaid. Not prepaid, ½ pk. $1.15, pk. $2.00.

EXTRA EARLY MAY. An extremely early variety of superior merit. Vines dwarf, about 18 inches high, completely covered with an abundance of the finest well-filled pods. It is of upright, very hardy growth. Pods large for an extra early sort; quality the very best. Matures in 40 to 50 days and always is in great demand for the home garden, especially for the small city garden. Pkt. 10c, ½ pt. 15c, qt. 50c, postpaid. Not prepaid, ½ pk. $1.25.

WHITE MARROWFAT. A very heavy yielding, late variety. Pods large and well filled. 3 to 3½ feet high, robust grower. The dry peas are of large size and excellent for cooking. Pkt. 5c, ½ pt. 15c, qt. 45c, postpaid. Not prepaid, ½ pk. 60c, pk. $1.00.

CANADA YELLOW FIELD PEA. Largely planted for foliage. Succeeds well most anywhere and is very prolific. The dry peas are of good size and excellent for cooking. ½ pt. 10c, qt. 35c postpaid; by freight, ½ pk. 65c, peck $1.25, bu. $4.00.

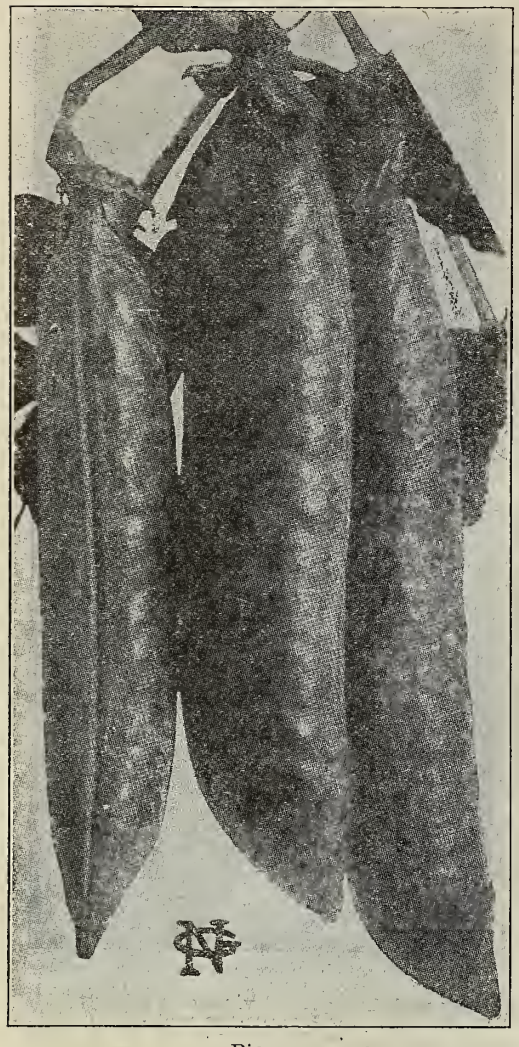
CANADA GREEN FIELD PEA. Very hardy, extra early and a good yielder. ½ pt. 10c, qt. 35c, postpaid; by freight, ½ pk. 65c, pk. $1.25, bu. $4.00.

WRINKLED VARIETIES

PREMIUM GEM. Ripens a little later than American Wonder, but generally a better yielder. Pods are 2½ inches long and are well filled with wrinkled peas of the finest quality. Height 12 to 16 inches. Pkt. 5c, ½ pt. 15c, qt. 45c, postpaid. Not prepaid, ½ pk. $1.15, pk. $2.15.

NOTT'S EXCELSIOR. Of robust and vigorous growth and ripens with the extra early market sorts. The pods are about three inches long, and each pod contains from 6 to 8 large peas, which are tender and of unusual fine flavor. Height 15 inches. Pkt. 5c, ½ pt. 15c, qt. 45c, postpaid. Not prepaid, ½ pk. $1.15, pk. $2.15.

AMERICAN WONDER. Very prolific, with pods of good size. Matures early and is strictly a pea for the family garden, requiring no brush or support. Quality is the best. Height 10 inches. Ready for table in 55 days. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid. Not prepaid, ½ pk. $1.25, pk. $2.25.



Pioneer

PEAS—(Continued)

WRINKLED VARIETIES

PIONEER (Novelty). One of the latest achievements in the perfection of early peas, and we cannot speak too highly of it. Vines grow about 18 inches high, are very strong and do not need support unless the soil is very rich. The pods are filled with large, tender, fine flavored peas and are ready for the market about the same time as Thomas Laxton. This variety presents a rich appearance while growing on account of the large number of dark, large, pointed pods on a vine. An ideal pea for the market and home garden. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid. Not prepaid, ½ pk. $1.15, pk. $2.10.

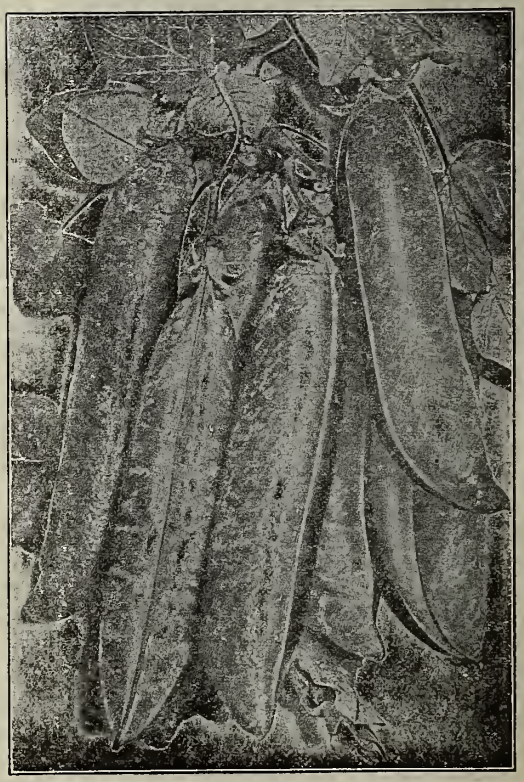
GRADUS OR PROSPERITY. The earliest large podded wrinkled pea. Bears in great abundance handsome pods and ripens nearly as early as the small, round early sorts. Is quick to germinate and of vigorous growth. The pods are of bright green color, and measure 4 inches in length, well filled with luscious peas, 8 to 10 or more in a pod. The peas are of the highest quality and retain to a remarkable degree their attractive appearance after cooking. Height 2½ feet. For the market and home garden one of the best varieties. Pkt. 10c, ½ pt. 20c, qt. 50c, postpaid; not prepaid, ½ pk. $1.20, pk. $2.10.

THOMAS LAXTON. This variety closely resembles Gradus in habit, rapidity of growth, earliness and foliage. Pods are large, long, blunt at the end, well filled with peas and of a deep green color. Height about 2½ to 3 feet. Ready for the table in about 52 days after planting. Pkt. 10c, ½ pt. 20c, qt. 55c, postpaid. Not prepaid, ½ pk. $1.25, pk. $2.15.

SUTTON'S EXCELSIOR. Resembles Nott's Excelsior, but has longer and broader pods, of a light green color. The pods are square at the ends and filled with 6 or 8 large sized peas. Very tender and of a most delicious flavor. Vines grow about 15 to 20 inches high and are hardy, therefore permitting early planting. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid. Not prepaid, ½ peck $1.15, peck $2.25.

HORSFORD'S MARKET GARDEN. A first class wrinkled pea; second early. Height 24 inches; no sticks. Very productive. It is a very profitable sort for market gardeners, as a single plant has been known to produce more than 150 pods. It is equally good for the home table. The medium sized pods are borne in pairs, and are easily and quickly picked. Pkt. 10c, ½ pt. 15c, qt. 50c, postpaid. Not prepaid, ½ pk. $1.25, pk. $2.40.

SURPRISE. The earliest of all the sweet wrinkled peas. A cross between American Wonder and Alaska, possessing the quality of the American Wonder and the early season of the Alaska, although not quite so hardy as the latter. The vines grow 24 inches high. The pods are of good size and well filled. Ready for the table in 50 days. One of the best and earliest good quality peas for the market and home garden. A very profitable variety. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid; ½ pk. $1.15, pk. $2.15, not prepaid.



Surprise

EVEREARING. Splendid for second early and main crop. Of special value for its continuity of bearing and heavy cropping. The pods are of large size, well filled with very large peas of superior flavor. The vines are of robust growth and branching habit, producing new blossoms after repeated pickings. An ideal sort for the home garden, as well as for the market gardener. Height 20 to 24 inches. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid. Not prepaid, ½ pk. $1.15, pk. $2.15.

CHAMPION OF ENGLAND. Universally admitted to be one of the richest and best flavored peas grown. The vines are of vigorous growth and produce the large pods of luscious peas in greatest abundance. Height 4 to 5 feet. An old standard sort that is still in great demand for main crop and late planting. Pkt. 5c, ½ pt. 15c, qt. 55c, postpaid. Not prepaid, ½ pk. $1.20, pk. $2.00.

SUGAR PEAS

SONDEREGGER'S GIANT SUGAR. Edible pods. They are used in the same manner as string beans. The large, broad, flattened pods are of a waxen yellow color, stringless, very sweet and tender. Vines grow to a height of 4 to 5 feet, and are very prolific. Peas are also good to eat shelled like other peas, therefore this is a variety that we can recommend for every market gardener as well as the home garden. Pkt. 10c, ½ pt. 20c, qt. 55c, postpaid. Not prepaid, ½ pk. $1.25.

DWARF GRAY SUGAR. Edible pods. The most desirable and sweetest of all edible pod peas. Pods of good size and filled with six to eight peas of finest flavor. To be recommended for the home garden. Pkt. 10c, ½ pt. 15c, qt. 55c, postpaid. Not prepaid, ½ pk. $1.25.

TALL GRAY SUGAR. Edible pods. Height 4 to 5 feet. Produces abundantly large sized brittle pods which are cooked like string beans; if used before they begin to ripen they are delicious, sweet and tender. Pkt. 10c, ½ pt. 20c, qt. 65c, postpaid. Not prepaid, ½ pk. $1.40.

MAMMOTH MELTING SUGAR. Edible pods. Quality the best. Cooked like string beans, they are a delightful dish. Immensely productive; unsurpassed for the home garden. Pkt. 10c, ½ pt. 20c, qt. 60c, postpaid. Not prepaid, ½ pk. $1.30.

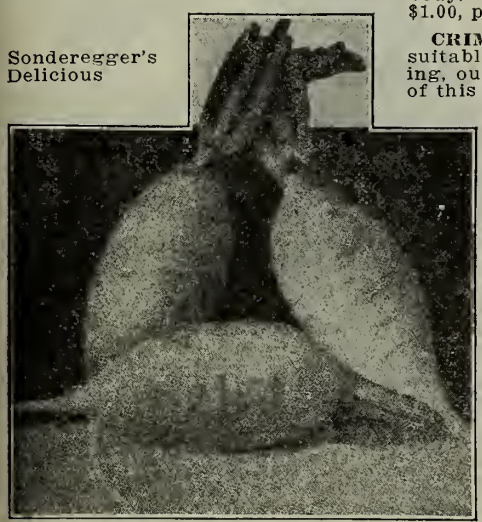
RADISH

One ounce will sow 100 feet of drill 8 to 12 lbs. per acre. For first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season for succession. A warm, sandy loam, made rich and light by strong manure is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

Our Radish Seed is saved from selected, transplanted roots, and it costs more to raise Radish Seed if grown that way than if no selection is made.

SONDEREGGER'S GIANT BUTTER. (Novelty). A splendid new forcing radish which grows extremely large, but in spite of its uncommon size does not become hollow or pithy, but keeps crisp and juicy for weeks, even longer than any other kinds. One of its most prominent features is the perfect regularity of its fine round shape and its very small tap root. A further improvement gained by careful selection, consists of its being short leaved and of a vivid scarlet coloration. The tastefulness of its tender and crisp flesh is unrivalled and this will be acknowledged by every one who has compared it with other varieties. Owing to its short leaves it may be successfully used for forcing. Its size, of course, demands a broader as well as a deeper sowing which will but be compensated by a good crop, as 5 or 6 radishes generally make a pound. We can highly recommend this splendid new variety. See colored illustration on back cover page. Pkt. 20c, oz. 35c.

SONDEREGGER'S DELICIOUS. (Novelty). A new summer radish that has quickly attained great popularity and should be planted by everyone. It is particularly adapted for summer use, producing handsome olive shaped roots, which are pure white, exceedingly crisp and of mild flavor. It requires a longer time to mature them than the earlier varieties of Radish, but remains in fine condition much longer. It is altogether the most desirable variety for summer and early fall use, and should be tried by everybody. Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. $1.00, postpaid.



Sonderegger's Delicious

CRIMSON GLOBE. This variety is suitable both for forcing or early planting, out of doors. A remarkable feature of this radish is that it will grow double the size of other round red forcing radishes and still remain solid. In shape this new radish is round to oval. Flesh is mild and tender and we recommend it to our customers. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 95c, postpaid.

Crimson Globe

EARLY SCARLET GLOBE. Extra early, brilliant scarlet, nearly globe shaped and remarkably crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 80c, postpaid.

NE PLUS ULTRA. An extra early sort especially adapted to forcing, being ready for market in 20 days. Round and bright scarlet, very small tops; quality the best. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 80c, postpaid.

EARLY SCARLET TURNIP. A small, round, red, turnip-shaped radish, with a small top and of quick growth. An early variety of rich color, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

ROSY GEM. Very desirable for forcing and outdoor planting. Tops and roots both small; skin bright scarlet tipped with white. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 80c, postpaid.

EARLY LONG SCARLET SHORT TOP. It grows 6 to 7 inches long, half out of the ground. It is very brittle and crisp, and of quick growth; color bright scarlet. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

Cincinnati Market

CINCINNATI MARKET. It is a long radish of a light color, white tipped, of uniform size. Extra early, with small tops. The flesh is of transparent whiteness, always crisp, brittle and of mild flavor. The standard sort in many localities, especially in the South, but suitable for all sections. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

FRENCH BREAKFAST. Well known, quick growing variety, of oval shape. Bright scarlet tipped with white. Of medium size, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

CHARTIER. The color of the top is crimson, running into pink about the middle, thence downward it is pure waxy-white. It is very crisp, tender and of pleasant flavor, the second best early. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

ICICLE. The best long white radish. Very early, with long, slender, pure white roots. The roots grow about four inches long, are of a transparent whiteness, brittle, crisp, and of mild flavor; tops very small. They will keep crisp and fresh for a long time. Equally desirable for home use and the market. Many of our customers consider this to be the finest of all radishes. May be planted throughout the season, for first early, for summer and for late use. The quality is always good. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.00, postpaid.

MUNICH WHITE. The renowned German radish; 6 to 8 inches long. They have a white, thin skin, are smooth and grow quickly; flavor mild and agreeable. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

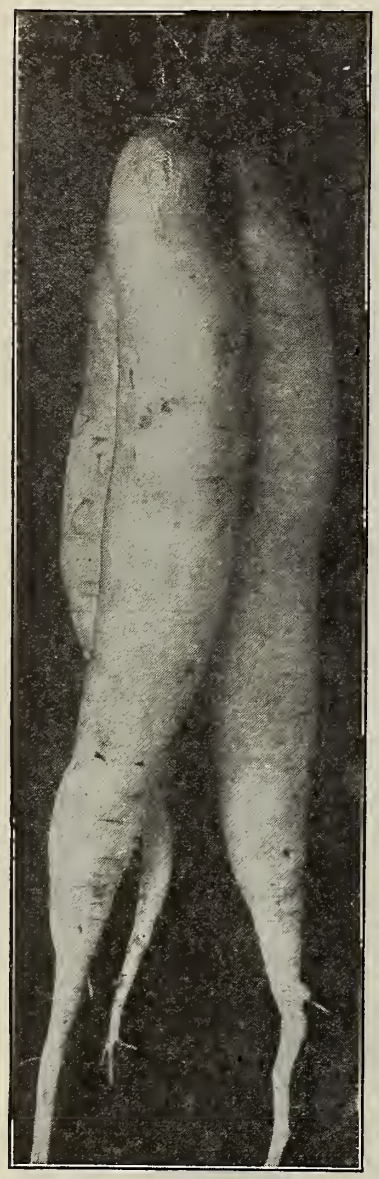
WHITE STRASBURG. Both skin and flesh pure white, firm and brittle, and of excellent quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 80c, postpaid.

CRYSTAL WHITE. Matures quickly and is of uniform good quality, mild, crisp and tender. Pkt. 10c, oz. 15c, ¼ lb. 40c, lb. $1.25, postpaid.

WHITE GLOBE. Pure white skin and flesh, very crisp, grows rapidly, and withstands summer heat. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid

MIXED RADISHES. In sowing these radishes the advantage is that one sowing will produce early, medium and late radishes of both long and turnip shape. Sow a row of these and you will have delicious radishes throughout the year. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

(Winter Radishes, See Next Page.)



Icicle (Page 90)

WINTER RADISHES

The Seed of Winter Radishes Should be Sown During July and Early August.

LONG BLACK SPANISH. Roots oblong, of very large size and firm texture. Somewhat sharp in taste. Best keeper. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

ROSE CHINA. Bright rose color, flesh white, firm and of superior quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

CALIFORNIA MAMMOTH WHITE. Pure white. Flesh tender and crisp; keeps perfectly through the winter. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, postpaid.

WHITE MUNICH. Six to eight inches long, with a white thin skin, are smooth and grow quickly; flavor mild and agreeable. May also be sown earlier for summer use. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

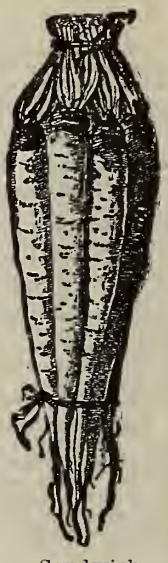
RHUBARB OR PIE PLANT

Succeeds best in deep, rich soil. Sow in spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds three feet apart each way. One ounce will make about 100 plants.

LINNAEUS. The standard sort. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.25, postpaid.

GIANT. Very large, quite acid, of fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.35.

RHUBARB ROOTS. See page 24.



Sandwich Island Salsify

SALSIFY OR OYSTER PLANT

Resembles a small parsnip, and when thinly sliced and cooked is a good substitute for oysters, having a very similar flavor. It succeeds best in a light, rich soil. Sow early and quite deep, thin out and cultivate like carrots. Perfectly hardy and may remain out all winter. For winter use store a quantity of the roots in the cellar. One ounce to fifty feet of drill.

MAMMOTH SANDWICH ISLAND. Grows to a large size, is of a superior quality and pure white color. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 95c, postpaid.

WISCONSIN GOLDEN. Like the Mammoth Sandwich Island, except that roots have a yellow tinge. It is very tender, rich and delicious. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. $2.00.

SPINACH

One ounce will sow 100 feet of drill, ten pounds per acre. Select rich, well drained soil, sow in drills one foot apart and one inch deep, or it may be sown broadcast at the rate of 30 pounds per acre. For spring and summer use make first sowing early in the spring and continue at intervals of two or three weeks until the middle of June; sow in August and September for early spring use, and protect with a covering of straw during severe weather.

SONDEREGGER'S SUMMER. (Novelty.) A new spinach that has given very satisfactory results and is sure to please our customers. It has very broad and thick leaves, which are produced in wonderful abundance. When cooked, they are very tender and of fine flavor. Can be cut early and is regarded as the best spinach ever produced. Pkt. 10c, oz. 25c, ¼ lb. 60c, lb. $1.25, postpaid.

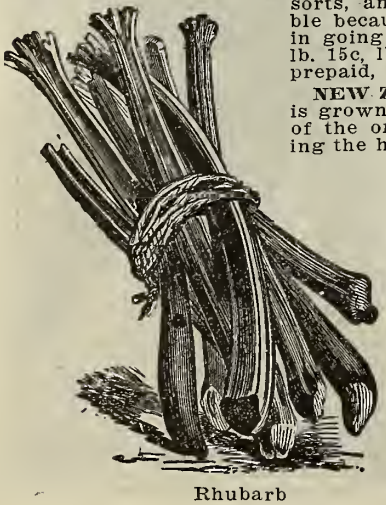
FLEMISH GIANT. The plants of this new spinach are extremely hardy and of extra large size. The leaves are very thick, permitting safe long-distance shipment. Succeeds well in our Western states. Oz. 5c, ¼ lb. 15c, lb. 40c, postpaid; not prepaid, 5 lbs. $1.25.

VICTORIA. The foliage is heavy, the broad dark green leaves being of the true Savoy appearance, and of finest quality. In prime condition from two to three weeks after other kinds have run to seed. Oz. 5c, ¼ lb. 15c, lb. 35c, postpaid; not prepaid, 5 lbs. $1.25.

ROUND LEAVED. Leaves large, thick and fleshy; excellent for fall sowing, being very hardy. Oz. 5c, ¼ lb. 15c, lb. 35c, postpaid; not prepaid, 5 lbs. $1.00.

LONG STANDING. An improved strain of excellent merit, having all the good qualities of the ordinary sorts, and especially desirable because it is much later in going to seed. Oz. 5c, ¼ lb. 15c, lb. 35c, postpaid; not prepaid, 5 lbs. $1.00.

NEW ZEALAND. This sort is grown to supply the place of the ordinary spinach during the hottest months of the year, or in dry, arid places, where the ordinary spinach does badly. Plant very large, with thick, fleshy leaves of very fine flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, postpaid.



Rhubarb

Keokuk, Ia.
2-12-1914.

I wish to inform you that the seeds arrived all O. K. and in good order. Thanking you for your kind attentions, I remain

E. J. Peterson.

Sonderegger's Summer Spinach

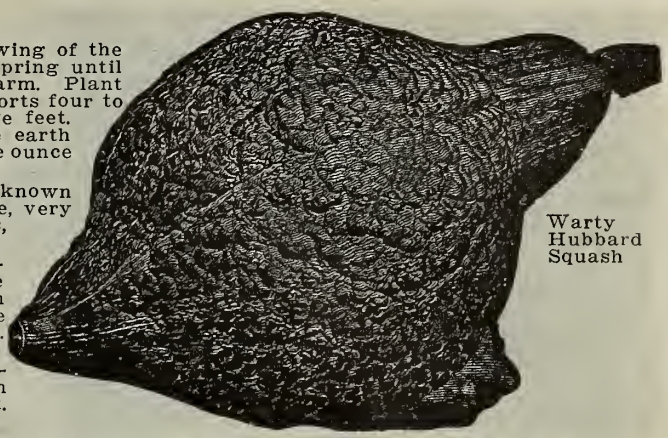
SQUASH

Any good enriched soil is adapted to the growing of the Squash. The seed should not be sown in the spring until danger from frost is past and the ground is warm. Plant in hills (about 8 to 10 seeds to a hill) the early sorts four to six feet apart, the late varieties eight to twelve feet. Thin out to three plants in the hill. Keep the earth about the plants loose and free from weeds. One ounce for 25 hills, three to four pounds per acre.

EARLY WHITE BUSH. This is the well-known White Pattypan Squash. The earliest to mature, very productive, light cream colored. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

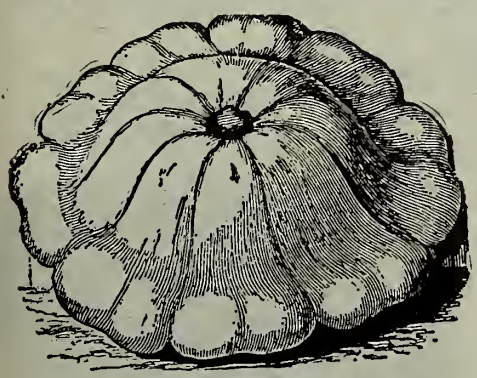
DELICIOUS. Considered to be the best flavored squash in existence. Color a handsome green and of nice size, weighing five to ten pounds. Flesh is of dark orange color, fine grained, sweet and dry. Best in the winter. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. $1.10, postpaid.

MARBLEHEAD. About the size of the Hubbard. Fine grained and dry. Shell bluish green and bright orange flesh. Excellent keeper. Pkt. 5e, oz. 10c, ¼ lb. 25c, lb. 80c, postpaid.



Warty Hubbard Squash

GIANT SUMMER CROOKNECK. A great improvement upon the former size, runs more evenly as to type, and grows fruit in quantity of healthy, compact, bushy plants. The fruit is heavily warted, its flesh of deep golden color and quality best. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.



Early White Bush Squash

WARTY HUBBARD. We consider this the ideal type of the Hubbard Squash. It is the best of all winter sorts, and sells at sight in all markets. Very dark green, shell extremely hard and warty. Flesh dry, sweet and of finest flavor. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, postpaid.

HUBBARD. Well known standard winter squash. Very similar to the above; however, the fruits are smoother and somewhat smaller in size. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

GOLDEN HUBBARD. This is a very distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and of rich, orange-red color. Flesh is of good quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, postpaid.

MAMMOTH CHILI. Largest of the squash family. Round form, flesh very thick, yellow, of good flavor. Color orange yellow. Excellent keeper. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

SIBLEY OR PIKE'S PEAK. One of the very best winter varieties. Surpasses the Hubbard in quality. Has large, oval fruits, tapering at the blossom end. Shell hard, dark olive color. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

TOMATO

One ounce of seed for 2,000 plants. Well manured, light, sandy soil is best. For early plants sow the seed in boxes or hotbeds in March. When the plants are about two inches high, transplant to four inches apart each way. Set out of doors as soon as danger of frost is over. Transplant carefully four feet apart each way, and cultivate well as long as the vines will permit. To obtain early fruit pinch off the ends of the branches when the fruit is first set.

BEEBE'S EARLY PROLIFIC. (Novelty.) This new tomato is something that is marvelous. When only five or six inches high it begins to bloom and set on fruit in clusters of seldom less than three to six tomatoes. As it begins to branch out every five or six-inch growth blooms and sets on new fruits in clusters of six or seven, so that the vines are filled up until they look as if they had been filled up by artificial means. They are very early and unlike most other early varieties, they bloom and set on new fruits all summer until cut by frost. The fruits are as large as any of the early varieties, almost perfectly smooth, of superb quality, meat is dark red throughout, with very few seed cells, making them excellent for slicing. Skin rather tough so as to be splendid keepers and good for shipping. They have been tried in our own trial gardens and were found to bear ripe fruits from ten days to two weeks earlier than any other variety. They will also stand the dry and hot weather better than the other sorts. You will not make a mistake by planting some of these splendid new tomatoes. See colored illustration on back cover page. Packet, 20c.

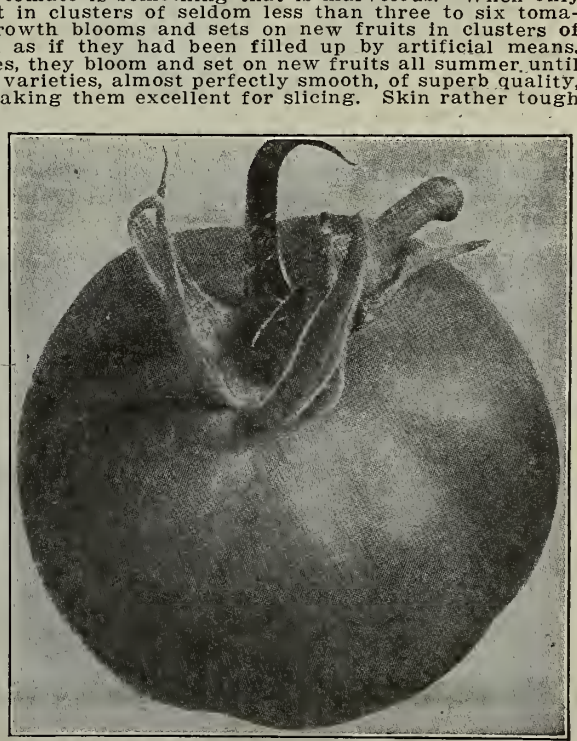
EARLY JUNE. (Novelty.) This splendid new tomato ripens earlier than "Earliana." The plants are vigorous and of extremely quick growth, yielding large, well shaped fruits in greatest abundance. It is smooth, of bright red color, almost seedless, the flesh thick and firm, and flavor delicious. Its main points are earliness, large size and fine flavor. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. $1.40.

NEW GIANT DWARF. (Novelty.) The largest fruited of all dwarf tomatoes. The color is a rich, purple crimson. The skin, while thin and easily removed in peeling, is sufficiently strong to protect the fruit when shipped to distant markets. The thick stalks carry well the tremendous weight of fruits which are produced in clusters of four to six and weigh twelve to eighteen ounces each. Pkt. 15c.

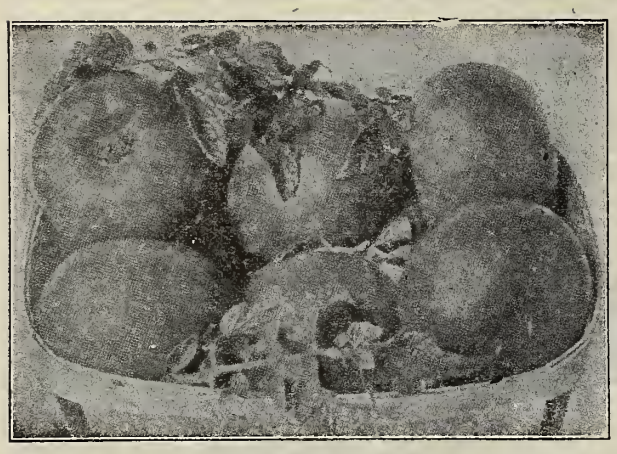
NEW CORELESS. Large size, globe shaped, full at stem end, bright red, a strong grower and big cropper. Main crop variety. Most productive, individual tomatoes weighing twelve ounces or more each. Free from core. Fine for slicing, the seed cells being surrounded by bright red, heavy, meaty and delicious flesh. Its color is very brilliant and rich red. Pkt. 10c, ½ oz. 20c, oz. 35c, ¼ lb. $1.30.

KANSAS STANDARD. Very rapid growth, strong stalks; color bright red; shape round, slightly flattened, perfectly smooth; meat solid and thick, of excellent flavor. Good size, fine for shipping and first-rate keeper. Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 90c, lb. $2.80, postpaid.

(Tomatoes continued on next page.)



Kansas Standard



Matchless

TOMATO—(Continued)

DWARF CHAMPION. Its habit of growth is not only dwarf and compact, but the stem, being thick, stiff and short jointed, it is almost self-supporting when laden with fruit. It is early, of a purplish pink color, smooth, solid and of fine quality. Pkt. 5c, oz. 25c, ¼ lb. 80c, lb. $2.60, postpaid.

SPARKS EARLIANA. Extremely early, of large size and beautiful bright red color. Its solidity and fine quality are equal to the best late sorts. The plants are very compact, with stout jointed branches. It is enormously productive. Fruit is even in form and smooth, very fleshy, solid and excellent for shipping. Pkt. 5c, oz. 25c, ¼ lb. 80c, lb. $2.75, postpaid.

CHALK'S EARLY JEWEL. Large, handsome fruits, very solid, deep through, being almost round, or ball shaped. Flesh thick, bright scarlet, solid, with few seeds, of sweet flavor; skin thin but strong to make it a good shipper. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.25, postpaid.

EARLY MINNESOTA. This is considered the earliest of all tomatoes. Vines vigorous, producing smooth fruits of fair size, good shape and dark red color. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.00, postpaid.

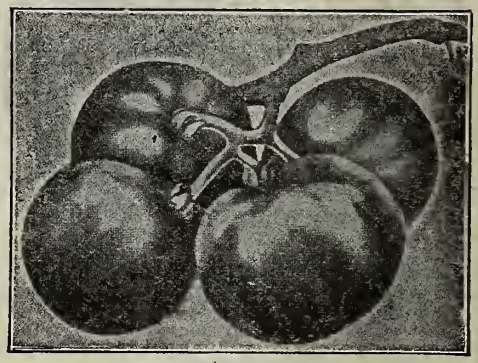
ATLANTIC PRIZE. An excellent variety that will average with the medium and late sorts both in size and shape. It is large, smooth, bright red, one of the most profitable. Pkt. 5c, oz. 20c, ¼ lb. 55c, lb. $2.00, postpaid.

NEW GLOBE. Extra good all around sort, of distinct globe shape. Among the earliest in ripening. The fruits are of a large size, always smooth, of firm flesh and has few seeds; ripens evenly; color a fine, glossy rose, tinged with purple. It is the heaviest yielding and the finest flavored of all tomatoes. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. $2.75, postpaid.

BEAUTY. Vines large, vigorous and heavy bearers. Fruit large, uniform in size, very smooth, excellent flavor, color crimson-purplish. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.75, postpaid.

IMPROVED TROPHY. One of the best. Fruit large, smooth, of very deep color and a good flavor. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.00, postpaid.

ACME. Vine hardy and productive. Fruit in clusters of four to five; round, smooth and of good size, flesh solid, of excellent flavor. Color reddish purple. Ripens early. Pkt. 5c, oz. 15c, ¼ lb. 55c, lb. $2.15, postpaid.



Acme

RED PEACH. The fruit is of uniform size, resembling a peach in shape, size and color. It is a profuse bearer until killed by frost, and has an agreeable, very fine, mild flavor. Pkt. 5c, oz. 15c, ¼ lb. 55c.

MATCHLESS. Unsurpassed for market and table, a splendid shipper and keeper. Fruit large, of rich, cardinal red color, free from core. Less liable to crack in wet weather than any other large tomato. The plant is a strong grower, is very productive, bearing well until frost. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.25, postpaid.

NEW STONE. It ripens for main crop, is very large and of bright scarlet color, very smooth, ripening evenly to the stem without a crack; exceedingly solid and firm fleshed. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. $2.00, postpaid.

PARAGON. An immense cropper, medium in season, and no variety holds its size better late in season. Fruit large, solid, well colored and of fine flavor. Color glossy, deep red. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. $1.85, postpaid.

PONDEROSA. The largest fruited tomato. The vines are of strong growth; fruits largely oblong in form, deep through and generally ridged; deep purple in color. They are solidly fleshy with small seed cells; of fine sweet flavor. One fruit often weighs a pound or more. Pkt. 5c, oz 30c, ¼ lb. 90c, postpaid.

CRIMSON CUSHION. (Beefsteak.) The best climbing tomato. Can be grown on trellises and in small space. Fruit is very large, of deep red color and excellent flavor. Very productive. Pkt. 10c, oz. 30c, ¼ lb. 90c.

GOLDEN QUEEN. Best large yellow variety; much like Paragon, except in color. Ripens very evenly, fruit is smooth, of good quality and fine flavor. A good yielder. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. $2.25, postpaid.

New Stone

WISCONSIN GOLDEN GLORY. In every respect equal to the best red sorts. Ripens early, is of good size, and excellent quality. Flesh very thick, solid, fine grained and of fine flavor. Pkt. 15c, ½ oz. 30o, oz. 50c.

SMALL TOMATOES

Excellent for Preserves and Pickles.

NEW EVERBEARING. Enormously productive, bear continuously from June until frost. Fruits produced in immense clusters of 50 or more, are plum shaped, bright scarlet, very solid and of finest flavor. Excellent for preserving. Pkt. 10c, ½ oz. 20c, oz. 35c, ¼ lb. $1.00.

YELLOW PEAR SHAPED. Bright yellow, distinctly pear shaped, of rich flavor. Pkt. 5c, oz. 25c.

YELLOW PLUM. Plum shaped, deep yellow, fine flavor. Pkt. 5c, oz. 25c.

RED CHERRY. About five eighths inch in diameter, borne in clusters. Pkt. 5c, oz. 25c.

RED PLUM. Plum shaped, rich red, excellent quality. Pkt. 5c, oz. 25c.

GROUND CHERRY. Husk or Strawberry Tomato. Fruit golden yellow, size of a cherry. The fruits are enclosed in a husk. Excellent for preserves, sauce or pies; very productive. Directions for preserving sent with each packet. Pkt. 5c, ½ oz. 15c, oz. 25c.

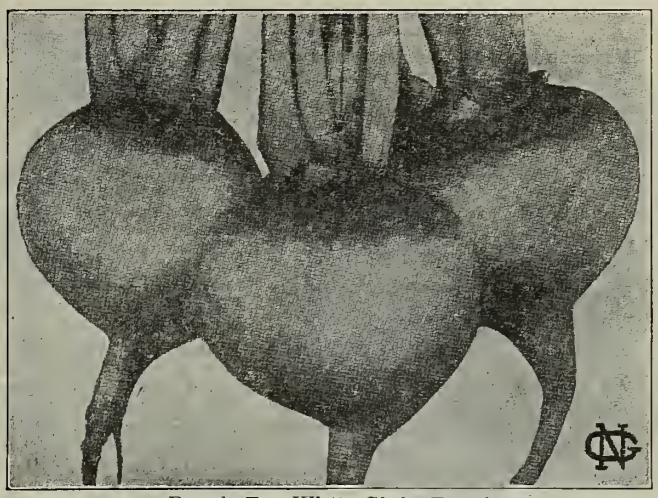
TURNIP

One ounce will sow 125 feet of drill. Two pounds per acre in drills, three pounds broadcast. Turnips do best in a highly enriched sandy or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart and thin out nearly six to eight inches in the row. For late planting or main crop, sow in July and August.

DANISH BORTFELDER. This splendid root has been awarded first class certificates several times by the Danish government, as the most productive of all Turnips and is considered the best in Scandinavia. Long root, cream color, delicate green tops, rapid grower, heavy cropper and excellent keeper. Must be sown in the spring for summer use, and in the middle of summer for winter purposes. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c, postpaid.

PURPLE TOP STRAP LEAVED. Superior for early or late planting. Round and flat, good sized, small top, with but few leaves; flesh very fine grained. A splendid keeper. Oz. 5c, ¼ lb. 15c, lb. 50c postpaid; 5 lbs., not prepaid, $1.50.

PURPLE TOP WHITE GLOBE. The shape is globular and of good size. Surface white, with an uneven purple edging at the top. The flesh is firm, fine grained, white and of most excellent flavor. It is a fine keeper, desirable for table and stock. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid; not prepaid, 5 lbs. $1.75.



Purple Top White Globe Turnip

Early Snowball Turnip

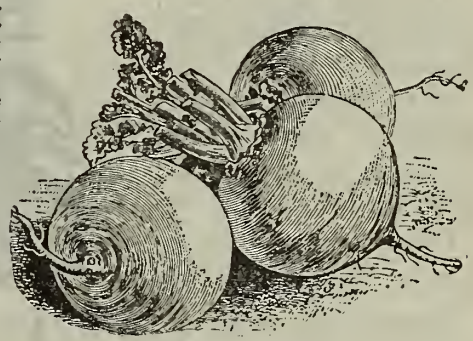
EXTRA EARLY PURPLE TOP MILAN. The earliest in cultivation. Of medium size, quite smooth, with a bright purple top; the leaves are few and short. Flesh of choicest quality, solid and fine grained. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

EXTRA EARLY WHITE MILAN. Very similar to the preceding, except skin is white. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c, postpaid.

EARLY SNOWBALL. A globe-shaped, white-skinned turnip, very fine grained, firm and of delicate flavor. One of the best keeping of white fleshed sorts. Very early. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c, postpaid.

EARLY WHITE FLAT DUTCH. A most excellent early variety. Roots medium size, flat, color white; very early, sweet and tender. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid.

GOLDEN BALL. One of the best and sweetest yellow fleshed turnips. Not of large size, but firm, hard and of most excellent flavor. Keeps well; excellent quality. It has given the best of satisfaction everywhere. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid.

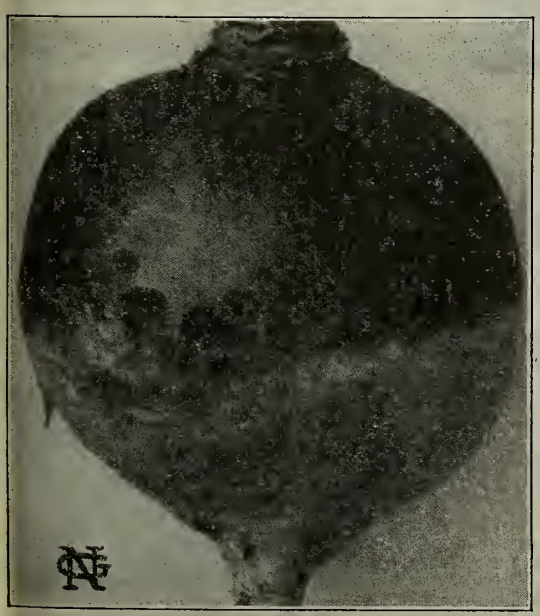


Golden Ball Turnip

COW HORN. This variety is carrot-like in form, growing nearly half out of the ground. It is delicate and well flavored, of very rapid growth. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid.

RUTABAGAS OR SWEDES

Require a longer season than turnips. For table use they keep better, and better flavored than the turnip. For stock in fall and winter there is nothing superior to turnips and rutabagas, as they are liked by all kinds of stock and keep them in good condition.



Bangholm Rutabaga

BANGHOLM. An ideal Rutabaga of oblong, globular shape, with very small neck, yellow flesh and very dark purple top. It is superior to all other Swedes. Has been awarded a first-class certificate on several occasions by the Danish government as the best cropping Rutabaga. By its last trials it scored 49 tons of roots, with 5 tons of dry matter per acre. Valuable for table and stock feeding purposes. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid.

PURPLE TOP YELLOW. Considered the best yellow fleshed variety. Of fine quality, and widely grown. Keeps perfectly all winter, even into the following summer. It is justly held in high esteem both for table and stock feeding purposes. Oz. 5c, ¼ lb. 15c, lb. 55c, postpaid.

SWEET GERMAN. Flesh pure white and very sweet; grows to a large size, always yields well and is a good keeper. Oz. 5c, ¼ lb. 15c, lb. 50c, postpaid.

WHITE RUSSIAN. One of the finest Rutabagas, heavy yielder and very hardy. Keeps in good condition until late spring. Quality very good, sweet and tender. For table use and stock feeding. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c, postpaid.

TOBACCO

CONNECTICUT SEED LEAF. Best adapted to the climate of the Middle and Northern States. Pkt. 5c, oz. 25c, ¼ lb. 85c.

WHITE BURLEY. Largely grown for the manufacture of fine cut plug. Pkt. 5c, oz. 30c, ¼ lb. $1.00.

HAVANA. Well known, large-leaved variety. Pkt. 5c, oz. 25c, ¼ lb. 85c.

AROMATIC, SWEET, POT AND MEDICINAL HERBS

Herbs in general, delight in rich, mellow soil. Sow early in spring in shallow drills one foot apart; when up a few inches thin out to proper distance to transplant. Some of them have very fine seed, and it is only necessary, after the seed is sown, to press the ground with a board. For flavoring fruits, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during winter the stalks should be cut on a dry day, when not quite in full bloom, then be dried quickly in the shade, and when dry be packed closely in boxes, with the air entirely excluded.

Marjoram

ANISE. Used for garnishing, seasoning and for cordials. The seeds have an agreeable aromatic taste. Pkt. 5c, oz. 10c, ¼ lb. 30c.

ARNICA. Arnica Tincture is made from it. Pkt. 10c.

ARTEMESIA. (Mugworth.) Is used for flavoring of stews, roasts, etc. Pkt. 10c.

BALM. The leaves are used for the making of balm wine, a pleasant beverage; also for tea used in fevers. Pkt. 5c, oz. 25c, ¼ lb. 80c.

BASIL, SWEET. The leaves are used for flavoring soups, stews, etc., also for garnishing. Pkt. 5c, oz. 15c, ¼ lb. 50c.

BORAGE. Leaves used for salads. Flowers excellent for bees. The lower spikes can also be used in cool drinks. Flowers very aromatic. Pkt. 5c, oz. 15c, ¼ lb. 50c.

CARAWAY. Seeds are used for flavoring bread, pastry, meats, etc.; also used in confectionery and medicine. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid.

CHAMOMILE. Great medicinal herb. Much used for the well-known Chamomile tea. Pkt. 10c.

CASTOR OIL PLANT. The seeds yield Castor Oil. Pkt. 5c, oz. 10c, ¼ lb. 20c.

CHERVIL. Leaves used for garnishing and flavoring. Also for salads. Pkt. 5c, oz. 10c, ¼ lb. 25c.

CHIVES. Used for seasoning. Onion flavor. Pkt. 5c, ½ oz. 30c, oz. 50c.

CORIANDER. Seeds are aromatic. Used for flavoring and in the manufacture of liquor and confectionery. Leaves used for garnishing. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c, postpaid.

Summer Savory

DILL. Leaves and seeds are used for the flavoring of soups, sauces, preserves and pickles. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, postpaid.

FENNEL. Leaves are used for garnishing, seeds for flavoring. The leaves boiled are used in fish sauces. Pkt. 5c, oz. 10c, ¼ lb. 25c.

HOREHOUND. Leaves are used for flavoring. Also used in the manufacture of cough remedies. Pkt. 5c, oz. 25c.

LAVENDER. An aromatic, medicinal herb, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. The dried leaves, put up in paper bags, are used to perfume linen and to keep out moths. Pkt. 5c, oz. 20c.

MARJORAM, SWEET. Used for flavoring. The leaves and the shoots may be dried for winter use. Pkt. 5c, oz. 15c, ¼ lb. 45c.

MUSTARD, WHITE. For salad or culinary purposes. Oz. 5c, ¼ lb. 15c, lb. 40c.

OPIUM POPPY. Medicinal herb. Pkt. 5c, oz. 15c, ¼ lb. 45c.

PEPPERMINT. For flavoring and in cool drinks. 25 seeds 10c, 100 seeds 25c.

ROSEMARY. Leaves used for seasoning. The oil from the flower is used in perfumery. Pkt. 5c, oz. 25c.

RUE. Medicinal. Good for fowls for the roup. Pkt. 5c, oz. 20c.

SAFFRON. Used for coloring and flavoring. Pkt. 5c, oz. 10c, ¼ lb. 30c.

SAGE. Leaves used for seasoning and dressing, also in medicine Pkt. 5c, oz. 15c, ¼ lb. 50c.

SORREL, LARGE LEAVED. For boiling "greens" or used as a salad. Cook like spinach. Pkt. 5c, oz. 15c, ¼ lb. 50c.

SUMMER SAVORY. Plant is aromatic. Leaves and young shoots are used for flavoring, especially with boiled string beans, also used for dressing. Pkt. 5c, oz. 15c, ¼ lb. 50c.

TANSY. An aromatic medicinal herb. Leaves are used for tea and in bitters. Pkt. 5c, ounce 25c.

TARRAGON. Valued for seasoning and culinary purposes. Pkt. 10c.

VALERIAN. For medicinal purposes. Pkt. 10c.

SWEET WOODRUFF. For flavoring wine. Well known ingredient of the German "Maitrank." Shoots also used for scenting clothes. Pkt. 10c.

THYME. Medicinal and culinary herb. Young leaves and tops used for soups, dressing, sauce, either green or dry. Thyme tea is a cure for nervous headache. Pkt. 5c, oz. 20c, ¼ lb. 75c.

WORMWOOD. Medicinal herb. Beneficial for poultry, and should be planted in every poultry yard. Pkt. 5c, oz. 20c.

WINTER THYME. True Winter or Perennial. It is used same as Thyme. Pkt. 10c.

MIXED HERBS. Many kinds of the above in a mixture. Pkt. 5c.

GARLIC

The most pungent of all the onion family. The root or bulb is composed of many small bulbs called "cloves," which are planted in the spring six to eight inches apart, and in August the bulbs are ready to gather. Large bulbs, ½ lb. 25c, lb. 40c, postpaid.

HERB PLANTS

MINT. The old-fashioned mint, used for sauce and julips. Two-year-old plants, each 10c, 10 for $1.75, postpaid.

TARRAGON OR ESTRAGON. (Artemesia dracuncu-lus.) The true Tarragon, the leaves and young shoots of which are much prized by many as an ingredient in soups, salads, stews, pickles, etc. Tarragon Vinegar, so highly esteemed as a fish sauce, is made by placing the leaves of this plant in a tight vessel, pouring common vinegar upon them, and permitting it to remain for several days. The leaves should be used in a fresh state, or cut in the autumn and dried to be used as other herbs. Two-year-old plants, each 20c, 10 for $1.75, postpaid.

OKRA OR GUMBO

Young seed pods used for delicate "Gumbo" soups. Probably the finest vegetable for table. Easy to grow. Plant as soon as danger of frost has passed. In drills or hills, 18 to 24 inches apart; cultivate the same as corn. Pods can be dried for winter use.

WHITE VELVET. The pods are larger than any other. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

Garlic

Miscellaneous Seeds

ALPINE EVERBEARING STRAWBERRIES

These grow freely from seed and fruit the first summer. In March or April sow seed under glass, and in May transplant to open ground. By the first of July they commence blooming, and the first fruit ripens about the 15th of that month. From that time there is ripe fruit continually until late in October The berries, while not so large as the garden varieties, are much higher flavored. A few of them will perfume a whole room, so great is their delicious aroma. Perfectly hardy. Can be grown in pots in the house. Pkt. 10c, 3 pkts. for 25c.

CURLED CHERVIL

The leaves are used in flavoring soups and salads and for garnishing. More beautiful than parsley. Of dwarf growth, with finely curled leaves. One ounce will sow 100 feet of drill. Cultivate same as parsley. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c, postpaid.

CHIVES

Perfectly hardy little perennia. members of the onion tribe, and are grown exclusively for their tops, which are used wherever the flavor of onions is required. The tops appear early in the spring, and can be shorn throughout the season as needed. Pkt. 5c, ½ oz. 30c, oz. 50c.

FENUGREEK

Annual. This seed is much sought by hostlers to give temporary fire and vigor to their horses. It is frequently given to oxen and pigs when fattening, causing them to drink and digest their food. Good for soiling when green. Ounce 10c, lb. 50c, postpaid.

GARDEN LEMON

Fruit is of shape shown in our engraving, is somewhat smaller than Vine Peach, which it resembles in growth, but has thinner flesh and is decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Directions for cooking with each packet. Pkt. 5c, oz. 15c, ¼ lb. 50c.

LENTILS

Used in oriental countries as principal article of diet. Splendid for soups. Cultivate same as peas. Large Pkt. 5c, ¼ lb. 15c, lb. 40c.

Mushrooms

ORNAMENTAL MICE

Is a native of Central Africa, having a small, neat growing vine, and bears numerous oval fruits, clear green in color, which are always completely covered with long, light green spines of hairs. Nice for pickling. **CATERPILLARS** are prostrate and creeping plants the small flowers changing into "Vegetable Caterpillars." **SNAILS** are another similar variety, having most oddly shaped seed pods, resembling snails. **WORMS,** curiously formed fruits of odd shapes. **Above varieties mixed,** pkt. 10c.

PEANUTS

Peanuts can be grown as far north as South Dakota, and everyone should plant at least a few for the children.

MAMMOTH VIRGINIA. The most profitable to grow and easily cultivated. Very erect stems and upright foliage. Plant in drills four feet apart, placing nuts six inches apart. Pkt. 10c, ½ lb. 20c, lb. 35c, postpaid. Not prepaid, lb. 25c, 5 lbs. $1.00.

SPANISH. The earliest variety grown; pods are small, but remarkably solid and well filled. Plant in drills three feet apart, placing nuts 8 to 10 inches apart. Pkt. 10c, ½ lb. 20c, lb. 35c, postpaid. Not prepaid, lb. 25c, 5 lbs. $1.00.

MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in any ordinary house, cellar, woodshed or barn, and the astonishing success of so many who have taken up this industry, both for profit and their own use, induces us to call special attention to the subject. The great luxury can be enjoyed by all at a trifling expenditure of money, time and labor. We recommend our English mushroom spawn as generally better both for the market gardener and private planter. Book, "How to Grow Mushrooms," 10c.

IMPROVED ENGLISH SPAWN. Is grown by special culture from large, perfect heads and then pressed into bricks weighing about 1½ lbs. each. Per brick, 40c, postpaid; not prepaid, 5 lbs. 75c, 10 lbs. $1.35.

The wide demand for Mushrooms is seldom satisfied. It is claimed there is always a splendid market at good prices for the produce.

Peanuts

POMEGRANATE

An ornamental little fruit which a century ago was commonly grown in the gardens, but is now rarely seen. Grows on a pretty vine. Fruit is round, of a bright yellow, irregular striped with orange red or mahogany. Very fragrant; a single specimen will sweetly perfume a room for many days. The fruit served with sugar, makes a dainty dessert. Pkt. 5c, oz. 25c.

POTATO SEED

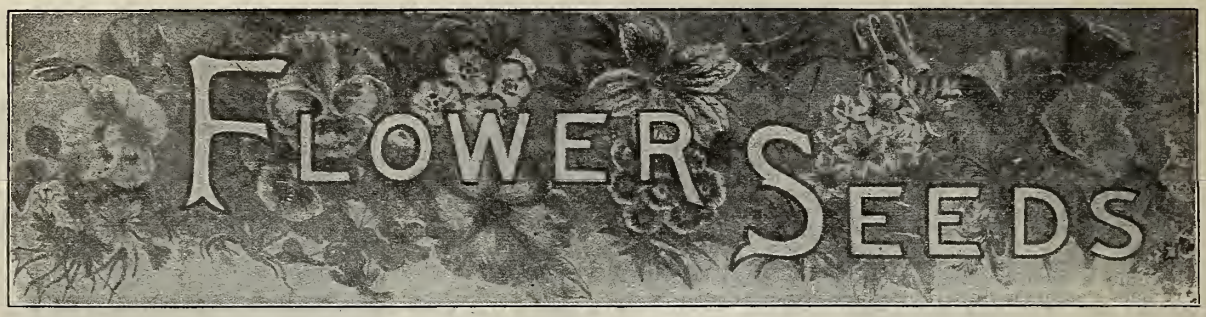
Hybridized potato seed from the flower boll (the true seed). It is from such seed that the new choice varieties of potatoes are originated. The result is interesting and often profitable. Pkt. 10c, 3 for 25c.

ROSELLE

The Lemonade Plant of Queensland. The fruit resembles the scarlet podded okra, and is used for making jelly and jam. It is easily grown from seed, grows rapidly and resists drought. It is a very ornamental plant and also of great food value, warranting more extended cultivation. Pkt. 10c.

VINE PEACH

The vine on which they are borne is somewhat similar to the muskmelon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and of bright orange color, somewhat russeted. For sweet pickles, pies or preserving they are superb. Pkt. 5c, oz. 15c, ¼ lb. 50c, postpaid.



On the following pages we offer the best varieties of choice Flower Seeds. Our seeds are fresh and of unsurpassed quality, grown by the best growers in this country and Europe. Quality is always our first consideration. There is no space so small that there is not room for a few of these beautiful flowers, and with a small outlay a succession and abundance of bloom can be obtained. Our packets contain a liberal quantity of seed, more than is generally sent out by other firms. **Annuals** bloom and ripen the seed the first year and then perish. They are marked **"A"** after name. **Perennials** continue flowering several years in succession. Many of them bloom the first year. They are marked **"P"** after name.

Cultural directions given on all packets. All flowers are sent postpaid by mail on receipt of price.

ASTERS. A.

Asters are of easy culture. The seed can be sown in the open ground in May and the plants will then bloom in September and October. For earlier blooming, sow in March or April, in cold frame or hotbed, or boxes in the house. Seed should not be covered more than one-fourth of an inch.

UNICUM. Pure white, large flowers, gracefully curled and twisted. Very fine. Finest cut flowers. Pkt. 10c.

WHITE GIANT COMET OR POODLE ASTER. The handsomest of the tall asters. Resembles Japanese Chrysanthemums. Pkt. 10c.

DARK BLUE GIANT COMET. Very large, double flowers, resembling the finest chrysanthemums, color a beautiful intense dark blue. Pkt. 10c.

DAYBREAK. The flowers are round, large and full, on long stems; color a charming seashell pink; early and free flowering. Pkt. 15c, ⅛ oz. 30c.

VIOLET KING. The habit is similar to the branching Aster. Petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved. Its color is a soft, violet-lilac. Pkt. 10c, ⅛ oz. 25c.

LAVENDER GEM. When first opened the full double flower is an exquisite shade of delicate lavender, deepening with age. Pkt. 15c.

SURPRISE. Flowers are large, globular, quilled, very double and of a clear sulphur yellow. Pkt. 10c.

Comet Branching Aster

LILIPUT BOUQUET. Especially suited for pot culture or for low border. Extremely dwarf, being only 8 or 9 inches high, but almost smothered with blossoms. Splendid mixture. Pkt. 10c.

COMET OR BRANCHING. Flowers large, very double, with long stems. Best cut flowers. Mixed. Pkt. 5c, ⅛ oz. 20c.

HOHENZOLLERN. Larger than Giant Comet, the petals longer, more curled. Blooms very abundantly on long stems. Finest cut flower. Mixed. Pkt. 10c, ⅛ oz. 25c.

IDEAL EVERBLOOMING. Produces more good cut flowers than any other kind. In bloom from August to October. Pkt. 10c.

PAEONY FLOWERED. Plants 12 to 18 inches high. Flowers large, extra double. Mixed colors. Pkt. 5c, ⅛ oz. 20c.

VICTORIA. Magnificent sort, 20 inches high, free bloomer, very double; colors distinct and brilliant. Finest mixed. Pkt. 10c.

DWARF CHRYSANTHEMUM. The finest of all dwarf asters; with large beautiful flowers in brilliant colors. Mixed. Pkt. 5c, ⅛ oz. 25c.

GERMAN QUILLED or Japanese Needle Aster. Nice double flowers, very free blooming. Mixed. Pkt. 5c, ¼ oz. 15c.

MANY KINDS MIXED. Very superior. Pkt. 5c, ¼ oz. 25c.

SINGLE FLOWERING. True China Aster. Finest assortment of colors. Pkt. 5c, ¼ oz. 20c.

PERENNIAL. P. Hardy Alpine Aster. Single flowering, hardy herbaceous plants. If sown early will flower first season. Mixed. Pkt. 10c.

CHRISTMAS TREE COMET ASTER. A.

New, distinct habit of growth and a branching pyramidal form. The plants grow 16 to 18 inches tall, are quite early in blooming and are thus most desirable for planting individually, thus showing the symmetrical form of growth. The flowers are of the very best Comet form, the petals being very long and perfectly waved and curled.

ROYAL ROSE. Extremely free flowering, each plant bearing many beautiful blossoms of a pleasing shade of rose. Pkt. 15c.

BRILLIANT CARMINE. Flowers are of a beautiful glowing carmine red color. Pkt. 20c.

ABRONIA. A.

GRANDIFLORA. Flowers are rosy-lilac, and sweet scented. For beds, borders and hanging baskets. Pkt. 5c.

AGERATUM. A.

BLUE. Very pretty sky-blue flowers. Nice for borders. Pkt. 5c, ¼ oz. 10c.

ALYSSUM. A.

SWEET. Flowers white, fragrant. Easily grown in boxes, vases and in beds. A good border plant. Pkt. 5c, ½ oz. 20c.

CARPET OF SNOW. Of dwarf, dense growth completely covered with snow-white flowers. Blooms all summer. Nice for borders. Pkt. 5c, ½ oz. 25c.

AMARANTHUS. A.

CAUDATUS. (Love Lies Bleeding.) Very large, handsome drooping flowers, spikes of blood red color. 3 ft. Pkt. 5c.

TRICOLOR. Handsome foliage plant. Leaves yellow, red and green. Well known as "Joseph's Coat." 3 ft. high. Pkt. 5c.

ANTIRRHINUM. A. (Snapdragon)

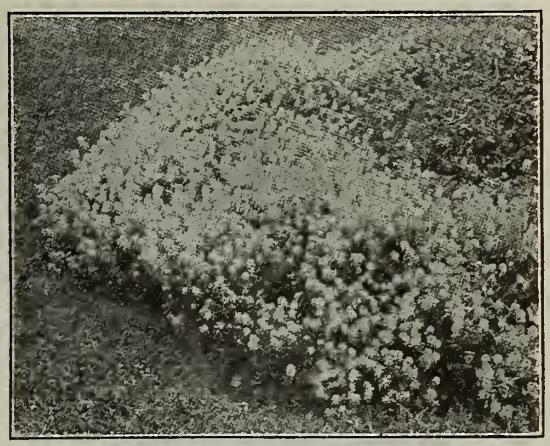
They do not receive the attention they deserve. One of the best cut flowers. Easily grown from seed; excellent for beds and borders.

PURPLE KING. (Novelty.) The flowers are of a deep, glowing purple color, which will make it become the pioneer of a new giant class. Illustration shows the natural size of an individual blossom. Pkt. 20c.

GIANT FLOWERED. Flowers are very large and fragrant produced in long spikes all summer. Pkt. 10c, ⅛ oz. 20c.

DWARF MIXED. Plants grow 1 foot high. Pkt. 5c, ¼ oz. 20c.

TALL MIXED. Plants grow 2 feet high. A nice mixture of many shades and colors. Pkt. 5c, ¼ oz. 20c.



Alyssum, Carpet of Snow (Page 96)

Balsam, Double White

AQUILEGIA. P. (Columbine)

TRUE ROCKY MOUNTAIN. Colorado's emblem flower. Free flowering; for permanent borders, etc. Blossoms light blue. Pkt. 10c.

SINGLE AND DOUBLE MIXED. All colors mixed. Pkt. 5c, ¼ oz. 10c.

ARABIS. A.

ALPINA. (Snow in Summer.) Very early white spring flower. Dwarf, fine for edging. Quite fragrant. Pkt. 5c, ¼ oz. 15c.

ARCTOTIS GRANDIS. A.

AFRICAN LILAC DAISY. Pure white on top surface and reverse side of petals pale lilac blue. Blooms all summer. Pkt. 10c.

ARMERIA. P.

MOUNTAIN PINK. Flowers grow in large tufts, rosy pink. Beautiful for edging. Pkt. 10c.

ASPERULA. P.

AZUREA. Fragrant light blue flowers. Thrive well in shady places. Pkt. 5c, ½ oz. 10c.

BALSAM. A. (Lady Slipper)

One of the most beautiful annuals. Flowers brilliantly colored, very large and double. Balsams like rich soil and a sunny situation.

CAMELIA FLOWERED. Very double, extra large flowers of rich color. Finest mixed. Pkt. 5c, ¼ oz. 25c.

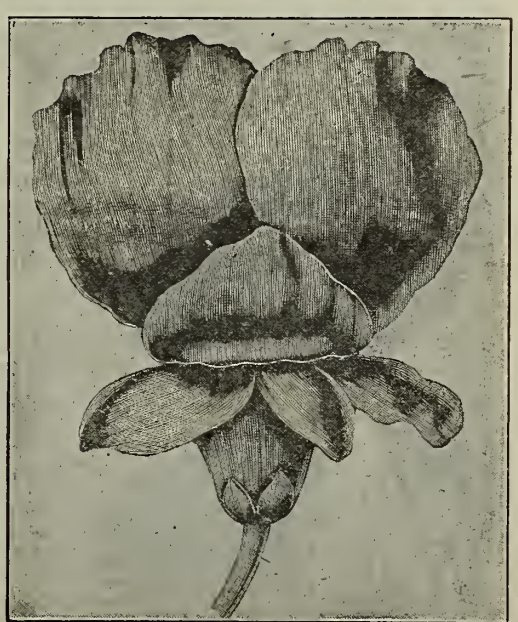
DOUBLE WHITE. Flowers are extremely double, very large, of true Camelia shape. Pkt. 10c.

ROSE FLOWERED. Splendid rose like flowers of brilliant colors. Pkt. 5c, ¼ oz. 25c.

DWARF DOUBLE MIXED. Finest mixture of double varieties. Pkt. 5c, ¼ oz. 20c.

TALL CARNATION FLOWERED. Flowers are large, double and beautifully striped. Pkt. 5c, ¼ oz. 25c.

NIGHTBLOOMING. (Nycterinia.) Flowers single, pure white, emitting a strong, heliotrope perfume after sundown. Pkt. 5c, ¼ oz. 20c.



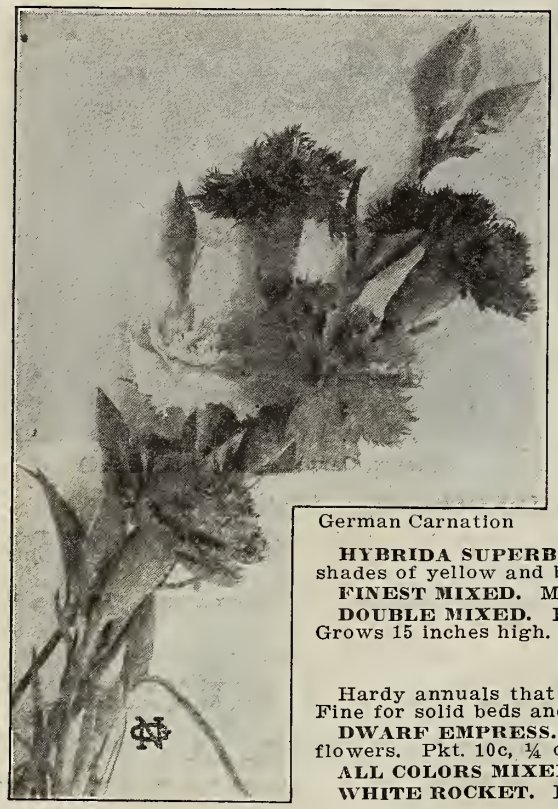
Giant Antirrhinum, Purple King

BRACHYCOME. A.

SWAN RIVER DAISY. Of dwarf growth, very free flowering. Suitable for edging; small beds or pot culture. Blooms freely nearly all summer. Pkt. 5c, ¼ oz. 15c.

BUTTERFLY PLANT. A.

COMMELINA. Plants are of graceful, trailing habit, superb for carpet bedding. In pots it will bloom every day in the year. In the garden from May until frost, showing daily scores of large, blue butterfly-like blossoms. Pkt. 10c.



German Carnation

CAMPANULA. P.

Canterbury Bells. Hardy perennial favorites, bearing large, bell-shaped flowers in profusion. Grows in light sandy soil.

DOUBLE MIXED. All sorts and colors. Pkt. 5c, ⅛ oz. 20c.

SINGLE MIXED. Many colors. Pkt. 5c, ⅛ oz. 10c.

CUP AND SAUCER. Bell-shaped flowers, nearly 4 inches across, in form of a saucer. Mixed. Pkt. 10c, ⅛ oz. 25c.

CALCEOLARIA. P.

Produces a mass of beautiful pocket-like flowers. A favorite for house culture and conservatory. Finest mixture. Pkt. 20c.

CALENDULA. A.

Will grow in any soil and bloom all summer. Excellent for bouquets and vases. One foot high. Sow seed outdoors quite early. Mixed colors. Pkt. 5c, ½ oz. 10c.

CALLIOPSIS. A.

One of the showiest of garden flowers, covered with hundreds of flowers from July to October. Of easiest culture. Grows two feet high. Fine cut flower.

GOLDEN WAVE. Plants very bushy and compact. Two feet high. Flowers beautifully golden yellow with dark center. Pkt. 5c, ¼ oz. 10c.

GOLDEN RAY. Bright, showy flowers of rich purplish brown, turning golden yellow toward the end of each petal. Eight inches high. Pkt. 10c, ¼ oz. 20c.

HYBRIDA SUPERBA. Form dense bushes that bloom the entire summer, in all shades of yellow and brown. For groups, borders, pots and cut flowers. Pkt. 10c

FINEST MIXED. Many varieties. Pkt. 5c, ½ oz. 10c.

DOUBLE MIXED. Fine double flowers, free bloomer. Splendid for cut flowers. Grows 15 inches high. Choice varieties in mixture. Pkt. 5c, ¼ oz. 10c.

CANDYTUFT. A.

Hardy annuals that grow easily in any soil, and bloom very freely all summer. Fine for solid beds and edging.

DWARF EMPRESS. About 8 inches high, covered with extra large, pure white flowers. Pkt. 10c, ¼ oz. 20c.

ALL COLORS MIXED. A good assortment. Pkt. 3c, ½ oz. 10c, oz. 15c.

WHITE ROCKET. Large white flowers. One foot high. Pkt. 5c, ½ oz. 10c.

CANNA. A.

Stately plants of luxuriant and tropical appearance. Easily grown from seed. Will bloom the first year.

LARGE FLOWERING MIXED. The best varieties. Pkt. 5c, ½ oz. 15c, oz. 25c.

MADAME CROZY. Dark leaved varieties. Pkt. 5c, ½ oz. 15c, oz. 25c.

CARNATION. P.

Well-known flowers for house and garden culture. Flowers are large and fragrant.

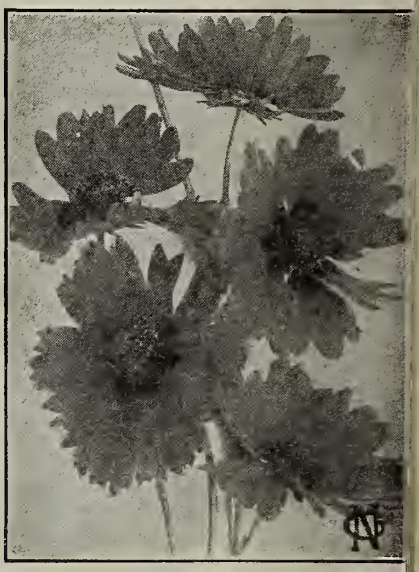
DOUBLE GERMAN. Finest mixed. Sweet scented, double, large flowering sorts. Best for house culture. Pkt. 10c.

EVER-BLOOMING FRENCH. Flowers large, very double, deliciously sweet, and of rich color. Bloom in four months from seed. Pkt. 10c.

SCARLET GRENADIN. Flowers double, large, rich scarlet. Lives through the winter with little protection. Pkt. 10c.

MARGUERITE. The beautiful, fragrant flowers are in bloom four months after time of seeding. Blooms nearly all of the time. Mixed colors. Pkt. 5c.

GIANT MARGUERITE. Will bloom about four months after sowing, and continue all through the summer. The flowers are of very large size, measuring three inches or more in diameter; the colors are beautiful. Pkt. 10c.



Calliopsis

Centaurea

CELOSIA OR COCKSCOMB. A.

Handsome garden and pot plants, bearing large combs of crimson, pink or golden striped color.

DWARF MIXED. Splendid mixture of dwarf sorts. Pkt. 10c, ⅛ oz. 25

CENTAUREA. A.

Also called Bacheler's Button, Blue Bottle, Ragged Sailor, Cor Flower. Old favorite garden annual, flowering freely in any situatic and requiring little care.

MIXED. Many varieties mixed. Pkt. 3c, ½ oz. 10c, oz. 15c.

AMERICANA. Grows 3 feet high. Large ball-like flowers of heli trope color. Very fragrant. Valuable for cut flowers. Pkt. 10c.

DOUBLE. Beautiful double flowers of many colors. Pkt. 5c, ½ oz. 15

EMPEROR. Lovely dark blue flowers of many lovely shades. Pk 5c, ½ oz. 10c, oz. 15c.

GYMNOCARPA. (Dusty Miller.) Finely cut, silvery-white leave Showy foliage plants for borders, 1½ feet high. Pkt. 5c, ½ oz. 25c.

MARGUERITA. Large, pure white flowers, sweet scented. Fi for cutting. Pkt. 5c, ¼ oz. 15c.

IMPERIALIS or Sweet Sultan. Large, beautiful flowers. Pkt. 5c.

CERINTHE. A.

WAX PLANT. Beautiful and easily grown annual. Excellent b plant. Flowers bright yellow, often spotted with purple. Pkt. oz. 15c.

CHOCOLATE FLOWER. A.

Two and one-half feet high. Bears numerous long stemmed flowers of a peculiar chocolate brown color and sweet odor. Fine cut flower. Blooms July to October. Pkt. 10c.

CHRYSANTHEMUM. A.

These hardy annuals are showy and effective border plants, extensively grown for cut flowers.

DOUBLE AND SINGLE MIXED. Pkt. 5c, ¼ oz. 10c.

EVENING STAR. Flowers pure golden yellow and 3 inches in diameter. The plants bloom in about ten weeks after sowing, continuing until frost. Pkt. 10c.

MAXIMUM. P. Moonpenny or Ox-Eyed Daisy. A free blooming hardy perennial, two feet high, covered with large, single, pure white flowers. Pkt. 5c.

PERENNIAL. Chinese and Japanese varieties. Will bloom in fall from seed sown in March. Flowers large, very double. Pkt. 10c.

CINERARIA. P.

For pot culture. Large, beautiful flowers. The extreme grace and elegance of the plant and flower makes it effective for decoration. Pkt. 15c.

CLEOME PUNGENS. A.

SPIDER PLANT. Blooms all summer. A good bee plant. Pkt. 5c, ¼ oz. 15c.

COLEUS. A.

Handsome foliage plant, easily grown from seed. Leaves large and rich in color. 2 feet high. Mixed. Pkt. 15c.

Cosmos

COSMOS. A.

Grows and blooms with the greatest freedom in any soil. Flowers dainty, of brilliant colors, carried on long slender stems. Foliage feathery and very pretty. Extra fine for cut flowers.

EARLY FLOWERING. Many varieties mixed. Will bloom from July to Nov. Pkt. 5c, ¼ oz. 20c.

GIANTS OF CALIFORNIA. Flowers very large and beautiful. Handsome fern-like foliage. Start seed early. Finest mixed. Pkt. 5c, ¼ oz. 15c.

MAMMOTH FANCY. Very large, beautiful flowers in exquisite shades. Pkt. 10c.

DAHLIA. P.

Can be easily raised from seed and will bloom profusely the first year. One of the best late summer flowering plants. Very pretty.

CACTUS FLOWERED. Flowers large, fine cactus form. Splendid mixture. Pkt. 10c.

COLOSSAL. New Paeony flowered class; mammoth blooms of many shades. Pkt. 10c.

DOUBLE MIXED. Large flowering varieties. All colors. Pkt. 5c.

SINGLE MIXED. Produce flowers of large size in greatest abundance. Pkt. 5c, ¼ oz. 10c.

Dimorphoteca

Delphinium, Chinese Tom Thumb

DATURA. A.

TRUMPET FLOWER. Large, trumpet-shaped flowers, very showy. Of easy culture. Double and single mixed. Pkt. 5c, ¼ oz. 15c.

DELPHINIUM OR LARKSPUR

ANNUAL VARIETIES

These hardy annuals are of great beauty in borders or among shrubs. The long flower spikes appear in greatest profusion.

DWARF HYACINTH FLOWERED. 2 to 3 feet high; the flower spikes resemble a double Hyacinth. Colors are brilliant and delicate. Finest mixture. Pkt. 5c, ¼ oz. 15c.

DOUBLE TALL MIXED. Produces freely long slender flower spikes of great beauty. Plants 3 to 4 feet high. Pkt. 5c, ¼ oz. 15c.

PERENNIAL VARIETIES

CHINESE BLUE. 3 feet high. Produces freely spikes of large blossoms, and varying in color through all the delicate shades of blue. Pkt. 5c, ⅛ oz. 15c.

NUDICAULE. 1 foot high. The only pure bright scarlet. Dwarf and compact in growth, with flower stems of fine length. Pkt. 20c.

ZALIL. Flowers bright yellow, and resemble the finest orchids. Pkt. 10c.

PERENNIAL MIXED. Hardy perennial plants with brilliant flower spikes. Double and single flowering mixed. Pkt. 5c, ¼ oz. 15c.

CHINESE TOM THUMB "ULTRAMARINE." Height about 8 inches; forms broad and well branched bushes and is during all the summer covered with its very pretty flowers. May be treated as an annual or perennial. Pkt. 20c.

DIMORPHOTECA OR GOLDEN DAISY. A.

AFRICAN GOLDEN DAISY. (Novelty). A rare and showy annual from South Africa, of easy culture and beautifully colored flowers. Plants grow 12 to 15 inches high and are very profuse in flowering. Its Marguerite like blossoms 2½ to 2¾ inches in diameter, show a unique glossy rich orange gold, surrounded by a black zone. Pkt. 15c.

MIXED HYBRIDS. (Novelty). Same as above except that it ranges in all colors and shades from pure white to a deep salmon-orange; some varieties even have different colored zones, such as white with a broad sulphur yellow zone around the black disk or soft salmon-red inner circle, etc. Pkt. 20c.

POPULAR FLOWER SEED COLLECTION

Twelve regular size packets for 25c postpaid. Asters, Calliopsis, Campanula, Dianthus, Escholtzia, Mignonette, Pansy, Petunia, Poppy, Sweet Peas, Verbenas and Zinnia. Each packet containing mixed colors of kinds mentioned above.

Burbank's Giant Shasta Daisy

DAISIES. P.

BURBANK'S GIANT SHASTA. Flowers very large and graceful, pure white, single, grow on long, stiff, wiry stems. Pkt. 10c.

MAMMOTH BLUE DAISY OR MARGUERITE (Novelty.) The plants form compact, well branched bushes about 12 inches high and produce in great profusion single, sky-blue flowers of mammoth size. Seed sown in early spring will make blooming plants by May, and bloom until frost. Pkt. 20c.

DOUBLE DAISIES. P.

Will bloom the first summer and continue to bloom for years, with slight protection during the winter.

GIANT SNOWBALL. Flowers large, double, snow white on long stems. Free flowering. Pkt. 10c.

FINEST MIXED. Assortment of various kinds and colors. Pkt. 5c.

DIANTHUS OR PINKS. A.

For beautiful and lasting flowers, ease of culture, and freedom of bloom, these hardy Garden Pinks have no superior among annuals. Have long been a favorite garden flower everywhere.

WONDERFUL. Japanese variety with large single flowers, the petals of which are deeply cut and fringed. All colors. Pkt. 10c.

COUNT KERCHOVE. Beautiful new Pink with large, full flowers of dark blood red color. Blooms profusely and long season. Pkt. 10c.

GIANT RUFFLED AND FRINGED. A magnificent new strain with extra large flowers. The petals are ruffled, frilled and fringed. Many beautiful colors Pkt. 10c.

DOUBLE ROYAL PINKS. Flowers of the largest size, very double, light and dark shades. Lovely cut flowers. Pkt. 10c.

IMPERIAL CHINESE. Double flowers of great beauty and rich colors. Best mixture. Pkt. 5c, ¼ oz. 15c.

LACINIATUS. Flowers are large, very double and finely fringed. Pkt. 5c, ¼ oz. 25c.

HEDDEWIGII. Large double flowers. One of the most showy of all pinks. Mixed colors. Pkt. 5c, ¼ oz. 25c.

MOURNING CLOAK. The large double, almost black flowers, have a clear white, fringed edge. Pkt. 5c, ¼ oz. 25c.

SNOWBALL. Flowers double, very large, often 2 inches in diameter, resembling a pure white carnation. Pkt. 10c.

HEDDEWIGII, GIANT SINGLE. Immense flowers of strikingly pretty colors. Mixed. Pkt. 10c, ¼ oz. 25c.

STAR PINKS. Beautiful, star-shaped, pure white flowers. Only 10 inches high. Excellent for edgings. Profuse bloomer. Pkt. 10c.

Dianthus or Pinks

DELTOIDES. P. Maiden Pinks. Pretty little flowers of deep red color. Plant of dwarf creeping habit. Fine for borders and massing. Pkt. 5c.

GRASS PINKS. P. The delicately fringed flowers are fragrant and fine for bouquets. Pkt. 5c, ¼ oz. 25c.

Four O'Clock (Page 101)

ERFURT CLOVE PINKS. P. Of dwarf growth, perfectl hardy and produce immense quantities of clove scented flow ers. Pkt. 10c.

DIGITALIS OR FOXGLOVE. P.

The long flower stems are loaded with pretty flowers c delicate and varied mixed shades. 3 to 4 feet high. All color mixed. Pkt. 5c, ¼ oz. 15c.

DWARF MORNING GLORY. A.

CONVOLVULUS. Grows easily and rapidly from seed, an the plants are covered with flowers the entire season. Or foot high. Pkt. 5c, oz. 15c.

EDELWEISS. P.

GNAPHALIUM. The true and famous Edelweiss of th Alps. Flowers star-shaped, downy and silvery white. Pkt. 10

ESCHOLTZIA. A.

Or California Poppies. Showy summer blooming plant bearing a profusion of richly colored flowers. Fine for bed edging or masses.

DOUBLE MIXED. Pretty double flowers, white, rose a yellow. In bloom from June until cut down by frost. Mixe Pkt. 5c, ¼ oz. 15c.

CALIFORNIA. Large yellow flowers. Pkt. 3c, oz. 15c.

GOLDEN WEST. Extra large flowers of bright yellow a orange. Pkt. 10c, ¼ oz. 20c.

BUSH ESCHOLTZIA. Very beautiful plant, forming a ni bush, covered with large, cup-shaped flowers 3 inches acro on long stems. The color is bright yellow. The cut flowe keep in water for two weeks. Pkt. 10c, ¼ oz. 20c.

FORGETMENOTS. P.

(Myosotis.) Neat and beautiful little plants, with star-like flowers. Succeeds best in a moist situation.

ALPESTRIS. Lovely, sky-blue flowers. Pkt. 5c.

PALUSTRIS. The true water Forgetmenot. Blooms continuously. Pkt.. 10c.

TOM THUMB. (Novelty.) Of very dwarf, compact growth and has the true pillar shape. Foliage very fine, with sky-blue flowers. Even more free flowering than the old type of Forgetmenots. Pkt. 15c.

FOUR O'CLOCKS. A.

Also called Mirabilis and Marvel of Peru. Well known free flowering garden favorite. Does well everywhere. Give each plant 12 to 15 inches of room. Will grow splendidly along the fence, requiring no care and blooming freely.

DWARF MIXED. Many colors in a good mixture. Pkt. 5c, oz. 15c .

SWEET SCENTED. Flowers white, very fragrant. Pkt. 5c, oz. 25c.

STRIPED LEAVED. Very ornamental foliage. Blooms continuously. Mixed. Pkt. 5c, oz. 20c.

FUCHSIA. P.

Well known house plant of beautiful form. Blooms first year from seed. The flowers come in colors of red, white and purple. Double and single mixed. Pkt. 20c.

GAILLARDIA. P.

Undoubtedly one of the choicest of the hardy perennials. Flowers very large, very numerous and fine for cutting.

FINEST MIXED. Brilliant shades of orange, crimson, scarlet and vermilion. Pkt. 5c, ¼ oz. 15c.

DOUBLE ANNUAL. The large double flowers are round as a ball in the most varied colors. Nice for bouquets. Pkt. 5c, ¼ oz. 20c.

AMBLYODON. Of a rich blood-red color, very pretty and effective. Pkt. 10c.

GODETIA. A.

Of easiest culture. The flowers are of handsome shape, brilliant in color and are produced in marvelous profusion. Tall mixed. Pkt. 5c, ¼ oz. 15c.

GOLD FLOWER. A.

HETEROSPERMUM. Flowers golden yellow. Plants bloom from June until frost, commencing four weeks after sowing. Nice for bouquets. Pkt. 10c.

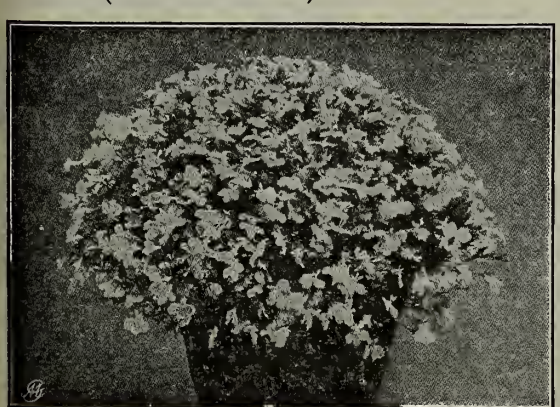
GRASS PINKS.
(See under Dianthus)

GYPSOPHILA. A.

Also called Angel's Breath and Baby's Breath. Thrives everywhere and furnishes the loveliest material for all kinds of bouquets. Pkt. 3c, ½ oz. 10c.

HELIANTHUS.
(See Sunflower)

Hollyhocks



Snowball Lobelia

Gaillardia

HELIOTROPE. P.

Flowers very pretty and of delightful fragrance. A splendid bedding plant as well as suitable for house culture. Seed sown in February or March produce large flowering plants in the summer.

FINEST MIXED. Bloom the first summer. Pkt. 5c, ⅛ oz. 25c.

NEW MAMMOTH. A grand variety, producing immense clusters of fragrant flowers. Pkt. 10c.

HOLLYHOCK. P.

One of the most majestic of the hardy plants. For planting among shrubbery or forming backgrounds it is without an equal.

DOUBLE MIXED. A fine mixture of double sorts. Pkt. 5c, ¼ oz. 20c.

CHATER'S EXTRA DOUBLE. Flowers large and very double. Finest strain obtainable. Pkt. 10c, ⅛ oz. 25c.

ANNUAL EVERBLOOMING. Seeds sown in March will produce plants that will bloom in July and continue blooming until frost. Flowers are double, semi-double and single. Mixed colors. Pkt. 10c, ¼ oz. 25c.

HUNNEMANNIA.
(See Escholtzia)

ICE PLANT. A.

Will do best on dry, sandy soil. The plant is of dwarf habit; flowers are white, wax-like and frosted. For rock work and hanging baskets. Pkt. 5c, ¼ oz. 15c.

KENILWORTH IVY. P.

LINARIA. Charming little plant for baskets, vases, etc. Flowers in shades of purple and lavender. Pkt. 10c.

LANTANA. P.

Desirable bedding plant, constantly in bloom. Verbena-like heads. Also suitable for pot culture, for hanging baskets and vases. Mixed. Pkt. 5c, ¼ oz. 10c.

LOBELIA. A.

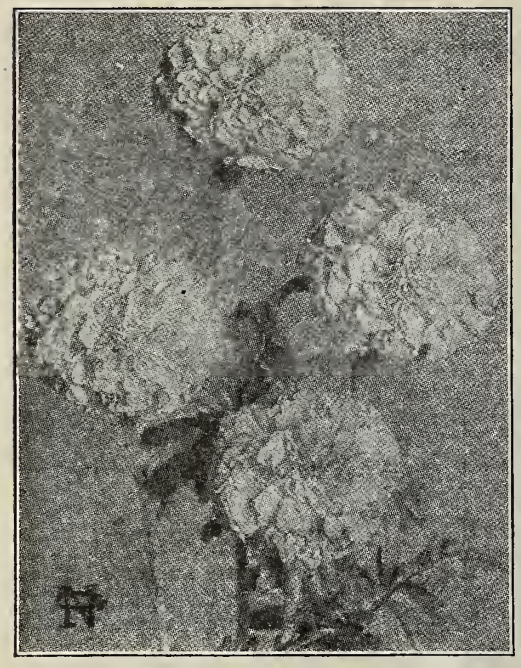
Popular and beautiful flowering plants, suitable for edgings, hanging baskets and pot culture. Bloom June to November.

SNOWBALL. The plant forms compact, globular little bushes, is of quick, robust growth, producing a great profusion of lovely snow-white flowers, completely covering the plant. Pkt. 15c.

CRYSTAL PALACE. Flowers rich, deep blue; dark foliage; best for bedding. Pkt. 10c, ⅛ oz. 25c.

GOLDEN FOLIAGE. Azure blue; foliage yellow. Pkt. 15c.

CARDINALIS. Three feet high with large spikes of brilliant scarlet flowers. Pkt. 10c.



Tall African Marigold

LINUM. A.

SCARLET FLAX. An effective and showy bedding plant, 12 inches high. Foliage is finely cut and flowers are brilliant scarlet. Pkt. 5c, oz. 15c.

PERENNE. P. Beautiful hardy perennial, producing bright blue flowers the entire summer. 18 inches high. Pkt. 5c, oz. 20c.

LUPINS. A.

Ornamental free flowering plants for borders and beds, with long spikes of richly colored flowers.

DWARF MIXED. Annual free flowering varieties. Pkt. 5c, oz. 15c.

PERENNIAL LARKSPUR FLOWERED. Extra long spikes of pretty flowers in blue and lilac shades. Two to three feet high. Pkt. 10c, ½ oz. 25c.

LYCHNIS. P.

Hardy perennial plants for beds and borders. Will bloom year after year, requiring no protection.

CHALCEDONICA. Plants grow one foot high and bloom the first year after seed. Flowers a brilliant scarlet, star shaped. Pkt. 5c.

MARIGOLD. A.

Free flowering old favorites of easy culture. Well adapted for large beds and borders.

GOLD STAR. (Novelty.) Has very pretty single flowers of golden yellow tints with broad velvety streaks. Remarkably contrasting and effective. About 10 inches high. Pkt. 15c.

GOLD RING. (Novelty.) Color dark velvety brown, gracefully surrounded by a distinct gold ring. Compact, bushy little plants that flower very abundantly. Pkt. 10c.

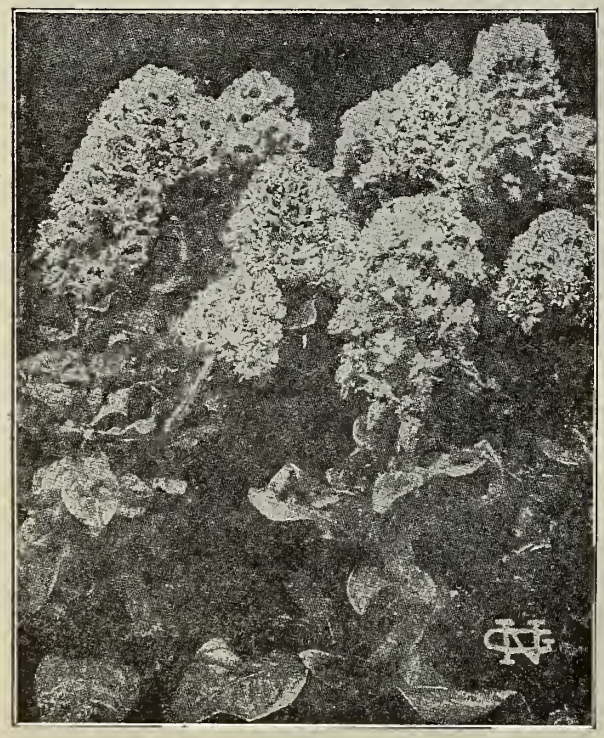
TALL AFRICAN. 2½ feet high. Large double flowers, in glowing colors. Mixed. Pkt. 5c.

DWARF FRENCH. Each plant bears hundreds of bright flowers. One foot high. Double mixed. Pkt. 3c, ½ oz. 15c.

CROSS OF HONOR. Plants grow 9 inches tall and bloom until late fall. Flowers single, rich golden yellow, with a large spot of velvety brown. Pkt. 5c, ½ oz. 15c.

SWEET SCENTED. Large, beautiful flowers, of a pleasing sweet odor. Pkt. 5c, ¼ oz. 15c.

Nasturtium (Page 103)



Mignonette, Giant Machet

MIGNONETTE. A.

A well-known favorite. Also suitable for pot culture. Should be watered freely until plants are several inches high.

GIANT MACHET. Flowers are larger than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. The plants grow in handsome bush form and bloom until late fall. Pkt. 10c, ¼ oz. 20c.

SWEET SCENTED. The old sweet-scented variety. Pkt. 3c, oz. 10c.

GOLDEN QUEEN. Flowers yellow, very sweet. Pkt. 5c, ¼ oz. 15c.

GIANT WHITE. Long white flower spikes produced in great abundance. A very pretty variety. Pkt. 5c, ½ oz. 15c.

MIMOSA. A.

(Sensitive Plant.) Curious and interesting plants. Leaves close and droop when touched or shaken. The flowers are red. 1½ ft. high. Pkt. 5c.

MIMULUS. P.

Showy, profuse flowering plants for shady situations or house, blooming the first year from seed. One foot high.

TIGRINUS or Monkey Flower. Mixed spotted varieties. Pkt. 5c.

MOSCHATUS OR MUSK PLANT. Of dwarf, creeping habit. Flowers yellow, have strong musk fragrance. Pkt. 5c.

NEMESIA. A.

Very pretty bedding flower of easiest culture. The flowers are large, of rich color and are produced in wonderful profusion. Pkt. 10c.

DWARF NASTURTIUMS. A.

May be classed among our most beautiful and showy annuals. They are of easy culture and make a continuous show of bloom.

DWARF CHAMELEON. Bears flowers of various colors on one and the same plant. Pkt. 5c, oz. 15c, ¼ lb. 45c.

DWARF GOLDEN KING. Dark foliage, bright golden yellow flowers. Pkt. 5c, oz. 10c, ¼ lb. 25c.

KING OF TOM THUMBS. Deep scarlet flowers. Pkt. 5c, oz. 10c, ¼ lb. 25c.

DWARF MIXED. Pkt 3c, oz. 10c, ¼ lb. 25c, lb. 75c.

DWARF IVY LEAVED. New sorts in finest mixtures. Pkt. 10c, ½ oz. 15c, oz. 25c, ¼ lb. 75c.

CLIMBING NASTURTIUMS. A.

Elegant and luxuriant climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect.

TALL CHAMELEON. Produces various colored flowers on one and the same plant. Pkt. 5c, oz. 15c.

KING THEODORE. Flowers rich, deep crimson; dark leaves. Pkt. 5c, oz. 10c, ¼ lb. 30c.

TALL IVY LEAVED. Finest assortment. Pkt. 10c, ½ oz. 15c, oz. 25c; ¼ lb. 75c.

LOBB'S CLIMBING. A grand free flowering variety. Very showy and rich colored flowers. Finest mixed. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

TALL MIXED. Nice mixture. Pkt. 3c, oz. 10c, ¼ lb. 25c, lb. 75c.

NICOTIANA. A. (Tobacco Plant)

SANDERAE, NEW HYBRIDS. Will thrive in any soil, either in pots, boxes or in the open ground. Grows two feet high. Valued for cut flowers. Mixed. Pkt. 10c.

AFFINIS. This plant grows to a height of 2½ feet and produces an abundance of large, pure white flowers of delicious fragrance. Pkt. 5c, ¼ oz. 15c.

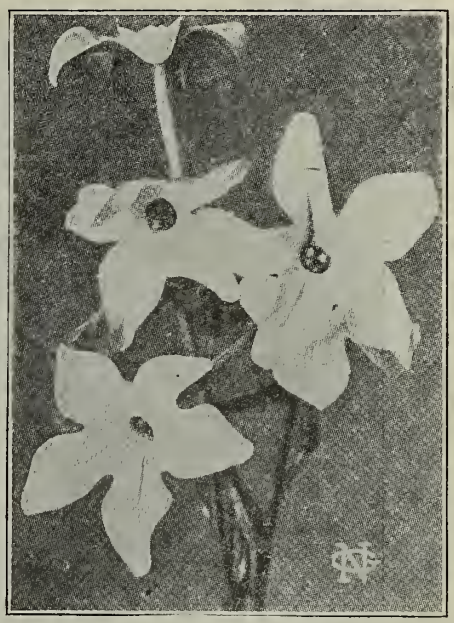
SANDERAE. Will thrive anywhere and produce lovely flowers of carmine red color from summer to late autumn. Pkt. 10c.

NYCTERINIA. A.

(SEE UNDER BALSAMS)

Petunias

Double Portulaca



Nicotiana, Affinis

NIGELLA. A.

(Love in a Mist or Devil in a Bush.) A compact, free-flowering plant, with finely cut foliage and curious looking flowers and seed pods. One foot high. Pkt. 5c, ½ oz. 10c, oz. 15c.

OENOTHERA. A.

EVENING PRIMROSE. Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit a delightful perfume. Pkt. 5c.

PALMS. P.

Nice stately palms are comparatively easy to grow from seed and the plants make splendid ornaments. Directions for culture on each packet.

LATANIA BORBONICA. This is the typical palm with large, fan-like leaves. Seed from this variety we cannot send until August, as it is imported from Brazil. Pkt. of 10 seeds, 10c.

CHAMAROPS EXCELSA. One of the best plants for house culture. Pkt. of 12 seeds 10c.

PHOENIX. Beautiful specimen for house culture. Pkt. 10 seeds 10c.

WASHINGTONIA. The fan-shaped leaves are fringed with long,

CYPERUS. Well known Umbrella Palm. Pkt. of about 60 seeds 5c. thread-like filaments. Stands neglect well. Pkt of 12 seeds 10c.

PETUNIA. A.

For bedding, edging or house culture, few plants equal them in effectiveness and bright colors. Easily cultivated and bloom all season.

DOUBLE MIXED. Beautiful large flowering varieties. Pkt. 25c.

GIANTS OF CALIFORNIA. Flowers single, large, in great variety of colors. Pkt. 15c.

LITTLE GEM. Bushy little plants, 8 inches high. Flowers show a five-pointed star; all colors. In bloom all the time. Pkt. 10c, ⅛ oz. 40c.

STRIPED AND BLOTCHED. Fine for bedding. Pkt. 5c, ⅛ oz. 20c.

NORMA. Beautiful bedding petunia forming compact bushes covered with numerous blue flowers, each one showing a white star. Pkt. 15c.

ALBA. Pure white. Desirable for cemetery planting, or where large masses of white are wanted. 12 inches high. Pkt. 5c, ¼ oz. 25c.

COUNTESS ELLESMERE. Flowers beautiful pink. Pkt. 5c, ¼ oz. 25c.

KERMESINA. Flowers bright, glowing crimson. Pkt. 5c, ¼ oz. 25c.

VENOSA. Beautifully veined flowers, many shades. Pkt. 5c, ¼ oz. 25c.

GOOD MIXED. Many colors mixed. Pkt. 5c, ⅛ oz. 20c, ¼ oz. 35c.

PORTULACA. A.

Also called Rose Moss or Sun Plant. One of the most popular hardy annual plants of easy culture. Flowers of richest colors and produced in profusion.

SINGLE MIXED. Fine mixture of colors. Pkt. 5c, ¼ oz. 20c, oz. 60c.

DOUBLE MIXED. Many shades, double flowering. Pkt. 10c, ¼ oz. 75c.

DOUBLE WHITE. Pkt. 10c. **DOUBLE SCARLET.** Pkt. 10c.

DOUBLE PINK. Pkt. 10c. **DOUBLE YELLOW.** Pkt. 10c.

Collection of four separate colors, 1 packet of each for 35c.

Three Blossoms of Our German Imperial Pansy

PANSIES. P.

For best results, you must start with a good strain of seed. The finest pansies are, as a rule, shy seeders, which accounts for the difference in the prices of the various mixtures offered below. The plants thrive best in a cool, moist, but well drained and enriched soil. Sow seeds in April or early May and cover lightly. The soil should be kept moist until plants are up.

MASTERPIECE OR GERMANIA. The petals are crimped and curled in such a fashion that the flowers appear double. The flowers are often 3 inches across and the color variations and combinations are odd and striking, the rich, dark velvety shades predominating. Pkt. 20c, 3 for 50c.

THE GLOBE. (Novelty.) No matter how many flowers may succeed one after another, this conspicuous novelty will always conserve its dwarf and compact form. The flowers are large and vary from the palest light blue to the deepest dark blue. As the petals are crimped and undulated, the flowers appear curved and double. Pkt. 20c.

GIANT TRIMARDEAU. Flowers extra large; stand well above foliage. Each flower marked with three blotches. Strong growers. Pkt. 10c, ⅛ oz. 35c.

PSYCHE. Giant flowered. The characteristic five velvety blotches or eyes are surrounded by a broad white edge. Flowers are curled and undulated. True from seed. Pkt. 15c.

BUGNOT'S MAMMOTH. The petals are of great substance and velvety appearance, each one bearing a large, deeply colored blotch that runs out in delicate veins to the edge; the shadings comprise tints of red, bronze and brown. Pkt. 15c.

GERMAN IMPERIAL. Elegant, richly colored flowers of large size and perfect shape. The finest mixture of giant flowered Pansies. Pkt. 10c, ¼ oz. $1.00.

ENGLISH TUFTED PANSY or Pansy Violet. Elegant free blooming plants for partially shaded beds and borders. They are more hardy than regular Pansies. Large flowering varieties mixed. Pkt. 15c.

ORCHID FLOWERING. Shows the most surprising, novel, unique and beautiful color combinations, entirely new among pansies. The upper petals are upright and plaited, resembling orchids. The ground color of nearly all the flowers is light. Pkt. 20c.

PHENOMENAL OR MADAME PERRET. Giant flowered with frilled edge. Colors are rich wine shades and red with a white margin. Pkt. 15c.

QUADRICOLOR or Pheasant's Eye. Elegant spotted and marbled, large flowers. Pkt. 5c, ⅛ oz. 30c.

PRETIOSA. Color is a carmine purple with bright violet blotches and distinct margin of glistening white. Pkt. 20c.

LIGHT BLUE. A delicate shade. Pkt. 5c.

CARDINAL. The finest bright red Pansy. Pkt. 10c.

KING OF BLACKS. The darkest Pansy known. Pkt. 5c.

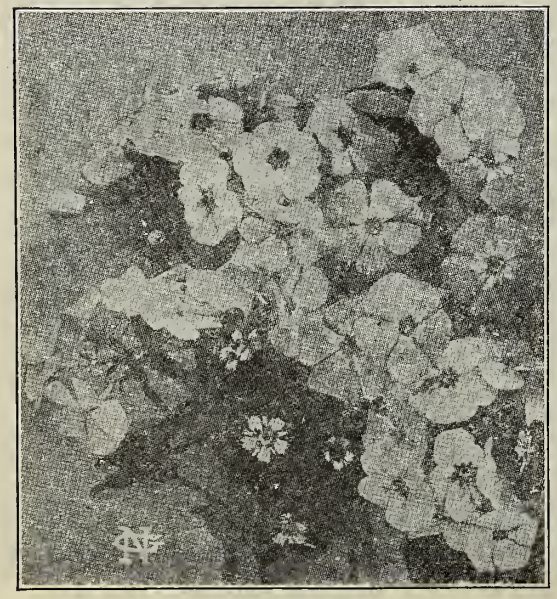
SNOWFLAKE. Large, satiny, pure white. Pkt. 5c.

YELLOW. Golden yellow with dark eye. Pkt. 5c.

STRIPED VARIETIES. The lovely flowers are striped and mottled in various tints. Pkt. 5c, ⅛ oz. 25c.

EXTRA FINE MIXED. We make up this mixture from the finest varieties of English, German, French and Belgian Pansies. Pkt. 10c, ¼ oz. 50c, oz. $1.75.

GOOD MIXED. Many varieties. Pkt. 5c, ¼ oz. 30c, oz. $1.00.



Extra Choice Mixed Phlox

PHLOX DRUMMONDI GRANDIFLORA. A.

Of all summer flowering annuals the varieties of large flowering Phlox are one of the most brilliant and satisfactory. From June until October they maintain an endless display of dazzling and varied colored flowers.

STARRED AND FRINGED. Very pretty star-shaped flowers. Dwarf growth. Mixed colors. Pkt. 10c, ⅛ oz. 20c.

ALBA. Extra large, white flowers. Pkt. 5c, ¼ oz. 30c.

SCARLET. Intense, glowing scarlet. Pkt. 5c, ¼ oz. 30c.

ROSE. Pleasing shade of rose pink. Pkt. 5c, ¼ oz. 30c.

YELLOW. Of lemon yellow color. Pkt. 5c, ¼ oz. 30c.

EXTRA CHOICE MIXED. Best varieties. Pkt. 5c, ¼ oz 25c.

DWARF MIXED. Of dwarf, compact habit. Fine for pot culture, for bedding and edging; 6 to 8 inches high. Very profuse bloomer. Pkt. 10c, ⅛ oz. 25c.

DOUBLE FLOWERING. Flowers double and semi-double; last longer than single Phlox. Mixed colors. Pkt. 15c.

PERENNIAL MIXED. Hardy perennial sorts in splendid mixture of colors. Pkt. 10c, ⅛ oz. 40c.

PENTSTEMON. P.

MIXED HYBRIDS. Large flowering, very attractive plant, much used in hardy borders. Forms large and beautiful flower spikes. Height 2 to 3 feet. Pkt. 10c.

ANNUAL MIXED. Large flowering annual varieties. Splendid mixture. Pkt. 5c.

PERILLA. A.

An elegant foliage plant of easiest culture. Dark purple leaves. Two feet high. Pkt. 5c, ½ oz. 15c.

PHACELIA. A.

Two to three feet high. Flowers purplish blue. In bloom until fall; easy culture. Splendid bee food. Pkt. 5c, oz. 10c.

POPPIES. A.

ADMIRAL. The large, round, smooth-edged flowers are of a glistening pure white color, with a broad band of brilliant scarlet around the top. Pkt. 10c.

GOLDEN FOLIAGE. Beautiful golden yellow foliage, and large double flowers in various shades of red. Twelve inches high. Pkt. 10c.

TULIP FLOWERED. The perfect, beautiful flowers resemble the Tulip. Intense fiery scarlet; single. Pkt. 10c, ¼ oz. 20c.

SHIRLEY. Silk or Ghost Poppies. Handsome single flowers of glowing colors. Mixed. Pkt. 5c, ¼ oz. 15c.

DOUBLE PAEONY FLOWERED. Large, showy, double, globular flowers, resembling a double paeony. We can supply the following solid colors: **White, Rose, Scarlet, Purple and Yellow.** Each, per pkt. 5c, ½ oz. 15c.

COLLECTION of one packet each of the 5 colors for 15c.

DOUBLE PAEONY FLOWERED MIXED. Flowers large as Paeonies and very double. Finest mixture. Pkt. 5c, ½ oz. 10c.

DOUBLE CARNATION FLOWERED. Flowers of large size and varied colors. Very popular. Pkt. 5c, ½ oz. 10c.

Double Paeony Flowered Poppies

DOUBLE AND SINGLE MIXED. Finest mixed. Pkt. 5c, ½ oz. 15c, oz. 25c.

HORNED POPPY. Three inches across and of brilliant orange red with black or yellow spots on each petal. Pkt. 5c, ½ oz. 15c.

PERENNIAL POPPIES

ICELAND POPPY. P. Will produce flowers the first year from seed. The colors range from pure white to orange scarlet and flowers are slightly fragrant. Nice for vases. Finest mixed. Pkt. 10c, ⅛ oz. 20c.

PERENNIAL MIXED. P. Nice assortment of many hardy perennial Poppies. Pkt. 10c, ¼ oz. 25c.

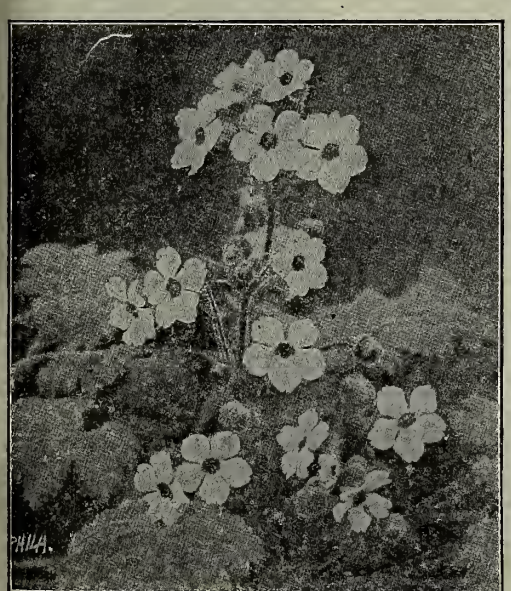
PRIMULA. A.

CHINESE PRIMROSE. One of our most important blooming pot plants, in bloom almost all winter. Mixed. Pkt. 15c.

PRIMULA OBCONICA. Everblooming Primrose. Splendid for pot culture and also for the open border in summer. Flowers single, in shades of lavender, pink and red. Pkt. 15c.

PRIMULA AURICULA. Garden Primrose. A well-known favorite. Sweet scented. Pkt. 10c.

PRIMULA VULGARIS. Hardy English Garden Primrose. Flowers lovely canary yellow and of sweetest fragrance. Pkt. 10c.



Everblooming Primrose

PYRETHRUM. P.

Handsome herbaceous plants of easy culture.

GOLDEN FEATHER. Beautiful golden leaved foliage plant for borders and ribbon beds. Six inches high; half hardy perennial. Pkt. 5c.

HYBRIDUM. Beautiful perennials blooming in May and June. Large, Aster-like flowers in many shades. Single and double mixed. Pkt. 10c.

RICINUS OR CASTOR BEAN. A.

Strong growing plants with ornamental foliage, adapted as center plants for Canna or Dahlia beds and single specimens.

SANGUINEUS. Brownish red foliage; 6 feet high. Pkt. 5c, oz. 10c.

ZANZIBARIENSIS. 12 to 15 ft. high. Enormous leaves 2½ feet across, and are beautifully lobed. Pkt. 5c, oz. 15c.

MIXED. Many kinds mixed. Pkt. 5c, oz. 10c, ¼ lb. 30c.

SALPIGLOSSIS. A.

Of easy culture, blooming from early summer until late fall. Flowers orchid-like. Large flowered mixed. Pkt. 5c, ⅛ oz. 15c.

SALVIA SPLENDENS. P.

SCARLET SAGE. Blooms first year from seed. Bears long spikes of beautiful, scarlet flowers from July to frost. Pkt. 10c, ⅛ oz. 25c.

SCHIZANTHUS. A.

Butterfly Flower or Poor Man's Orchid. The gay, butterfly-like blossoms are carefully marked and spotted, resembling some species of fine Orchids. Fine cut flowers. Mixed. Pkt. 5c, ¼ oz. 15c.

Sweet Peas, Dorothy Eckford

SCABIOSA. A.

Mourning Bride or Egyptian Rose. Exceedingly pretty border plants. Splendid cut flowers. Blooms freely during the summer and autumn. Two feet high.

SNOWBALL. Flowers large, pure white and very double. Pkt. 5c, ¼ oz. 15c.

DOUBLE MIXED. Large flowering varieties. Pkt. 5c, ½ oz. 15c.

SWEET PEAS. A.

Everybody likes Sweet Peas, and they are grown with so little care and bloom so profusely, that even the smallest garden should contain a good supply.

DOROTHY ECKFORD. Elegant, very large, massive, pure white flowers.

EARLIEST OF ALL. Standard bright pink, with white wings.

LADY MARIE CURRIE. Beautiful deep orange pink.

APPLE BLOSSOM. Lovely, bright rosy pink flowers. Very large, on sturdy stems.

EARLY BLANCHE FERRY. Very early. Flowers bright pink and white.

PRINCE OF WALES. Large size and perfect form, bright rose colored.

SALOPIAN. Rich, deep crimson red, large and fine, shell shaped flowers.

KING EDWARD VII. A glowing bright scarlet.

PRIMROSE. Beautiful primrose yellow.

FRANK DOLBY. Largest and finest pale blue.

MRS. J. CHAMBERLAIN. White, striped and flaked with rose.

BLACK KNIGHT. Rich, glossy, blackish maroon.

COUNTESS RADNOR. Delicate lavender.

NAVY BLUE. Deep violet blue. Wings violet and blue.

All of the above varieties at the uniform price of 5c per pkt. or any 6 pkts. for 20c, 10c per oz, 20c per ¼ lb., lb. 60c, postpaid.

IMPERIAL MIXED. Fifty different large flowering varieties, including the newest kinds. The best mixture obtainable. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, postpaid.

GOOD MIXED. Many varieties and colors. Pkt. 3c, oz. 5c, ¼ lb. 15c, lb. 35c.

DOUBLE SWEET PEAS. The flowers are double and semi-double. All colors mixed. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c, postpaid.

CUPID SWEET PEAS

Compact, dwarf plants, seven inches high. Fine for bedding and as a border, or for pot culture. In full bloom from June until late summer. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

SPENCER VARIETIES

BEATRICE SPENCER. Flowers large, ground white, tinted and buff. Pkt. 10c, oz. 25c.

Salpiglossis (Page 105)

BURPEE'S WHITE SPENCER. Best pure white variety, large flowers. Pkt. 10c, oz. 25c.

CAPTAIN OF THE BLUES SPENCER. Standard purple, with blue wings. Pkt. 10c, oz. 20c.

COUNTESS SPENCER. True pale pink with a darker edge. Fine bloomer. Pkt. 10c, oz. 25c.

KING EDWARD SPENCER. The best of the rich red sorts. Pkt. 10c, oz. 25c.

German Stocks (Page 107)

OTHELLO SPENCER. Beautiful dark brown chocolate re color. Pkt. 10c, oz. 25c.

SPENCER HYBRIDS. Very large flowering strain, wit long stems. Choice mixture. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. $1

STATICE SINUATA. A.

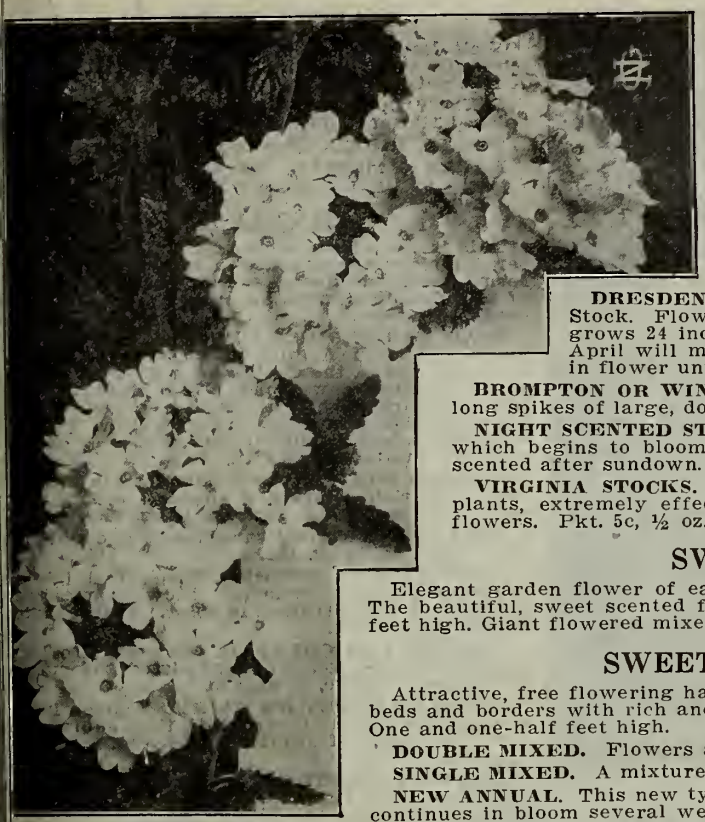
Flowers blue. In bloom from July to October. Fine fo bouquets. Pkt. 5c, ½ oz. 15c.

STOKESIA CYANEA. P.

CORNFLOWER ASTER. Rare and hardy perennial, 2 fee high, bearing from 20 to 30 lavender blue flowers, from Jul until frost. Pkt. 10c.

SUMMER CYPRESS. A.

KOCHIA. Highly ornamental annual which forms regula pyramids from 2 to 3 feet high, having a cypress-like appear ance. The leaves are slender and of a light pea green unt September, when they change to carmine blood red. The plan will grow in any soil. Pkt. 5c, ¼ oz. 15c.



Mammoth Verbena

STOCKS, GERMAN DWARF TEN WEEKS. A.

Stocks are among the finest annuals. The plants commence to bloom about ten weeks from time of germination and continue until frost. Flowers of brilliant color and fragrant. Fine for pot culture.

DOUBLE FANCY MIXED. Assortment of large flowering sorts. Pkt. 5c.

SEPARATE COLORS

CRIMSON. Pkt. 10c. **BLUE.** Pkt. 10c.
PURE WHITE. Pkt. 10c. **YELLOW.** Pkt. 10.
PURPLE. Pkt. 10c. **ANY 3 PKTS. 25c.**

DRESDEN EVERBLOOMING. Cut and Come Again Stock. Flowers are very large, double and fragrant. Plant grows 24 inches high and branches freely. Seed sown in April will make blooming plants by July, which continue in flower until frost. Mixed colors. Pkt. 10c.

BROMPTON OR WINTER. A new flowering variety, producing long spikes of large, double, fragrant flowers. Pkt. 10c.

NIGHT SCENTED STOCK. (Mathiola.) A charming hardy annual which begins to bloom in June. Flowers lilac pink, very sweet scented after sundown. Height 15 inches. Pkt. 5c, ¼ oz. 20c.

VIRGINIA STOCKS. (Malcolmia.) Pretty dwarf free flowering plants, extremely effective in small beds or edgings. Bright red flowers. Pkt. 5c, ½ oz. 10c.

SWEET SULTAN. A.

Elegant garden flower of easy culture and fine for cut flower purposes. The beautiful, sweet scented flowers are borne on long, strong stems, four feet high. Giant flowered mixed. Pkt. 5c, ½ oz. 15c.

SWEET WILLIAM. P.

Attractive, free flowering hardy perennials, producing a splendid effect in beds and borders with rich and varied flowers. Blooms June to September. One and one-half feet high.

DOUBLE MIXED. Flowers are borne on long trusses. Pkt. 5c, ¼ oz. 20c.

SINGLE MIXED. A mixture of single varieties. Pkt. 5c, ¼ oz. 15c.

NEW ANNUAL. This new type commences blooming in early summer and continues in bloom several weeks. The plants produce fine heads of bloom of various colors and are fragrant. Mixed colors. Pkt. 10c.

SUNFLOWER (Helianthus). A.

Remarkable for the stately growth, size and brilliancy of their flowers, making a splendid effect among hrubbery and for screens.

CUT AND COME AGAIN. Miniature sunflower. Plants form pyramidal bushes 2 to 3 feet high. Flowers ingle. Blooms till frost. Pkt. 5c, ½ oz. 15c.

STAR FLOWERED. New, dwarf growth, covered with pretty star-shaped flowers. Pkt. 10c, ½ oz. 25c.

SILVER LEAF. Silver foliage; flowers yellow with black. Pkt. 5c, oz. 15c.

DOUBLE DWARF. Grows 4 feet high. Flowers double, very large, of golden-yellow color. Pkt. 5c, oz. 20c

VIOLET. P.

SWEET VIOLET. Well known, old-fashioned hardy garden violets; prized for their fragrance and pretty lue and white flowers. Pkt. 10c.

VERBENA. A.

Many people prefer Verbenas to Phlox, Pansies or Asters for bedding purposes. Constant bloomer; brilliant lowers. Start seed in February or March, transplant in May or June.

NEW GIANT FLOWERED. (Novelty.) It excels all other varieties heretofore known by the size and noble hape of the flower, and the rich display of colors and shades. The flowers are enormously large and have, ithout exception, a large brilliant white eye. Pkt. 20c.

NEW MAMMOTH. Individual flowers are larger than a silver quarter. Unsurpassed for their profusion of loom. Fancy mixed. Pkt. 10c, ¼ oz. 35c.

MIXED HYBRIDS. Many sorts and colors. Mixed. Pkt. 5c, ¼ oz. 25c.

LEMON SCENTED. Fragrant plants. Leaves when dried retain fragrance for years. Seed scarce. Pkt. 10c.

BURBANK'S MAYFLOWER. One of the finest Verbenas, vith the delicate odor and fragrance of the Arbutus. Pink nd white flowers. Pkt. 10c.

MOSS VERBENA. Produces a mass of moss-like foliage, bove which are heads of purple-blue flowers. Blooms rom June till frost. Pkt. 5c.

MOSS VERBENA, WHITE. Same as above, but flowers re pure white. Pkt. 5c, ¼ oz. 15c.

VENOSA. (Hardy Garden Verbena.) One foot high, overed with purplish heliotrope flowers from early sum- er till late fall. Pkt. 5c.

VINCA. P.

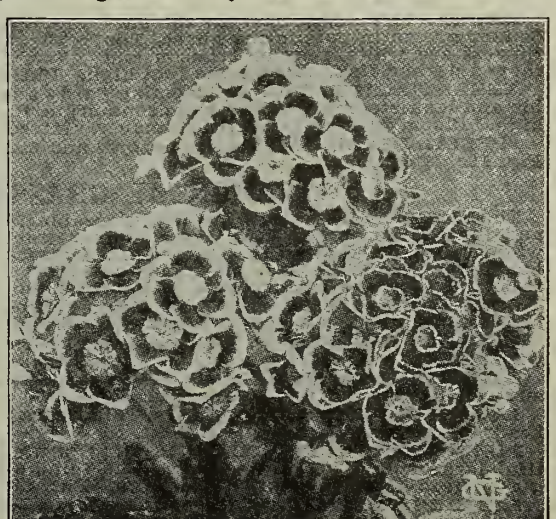
MADAGASCAR PERIWINKLE. Blooms from seed the rst season, continuing until frost. May be potted in fall or winter blooming. Flowers single, pink and white. eight 12 to 15 inches. Pkt. 5c, ¼ oz. 25c.

VISCARIA. A.

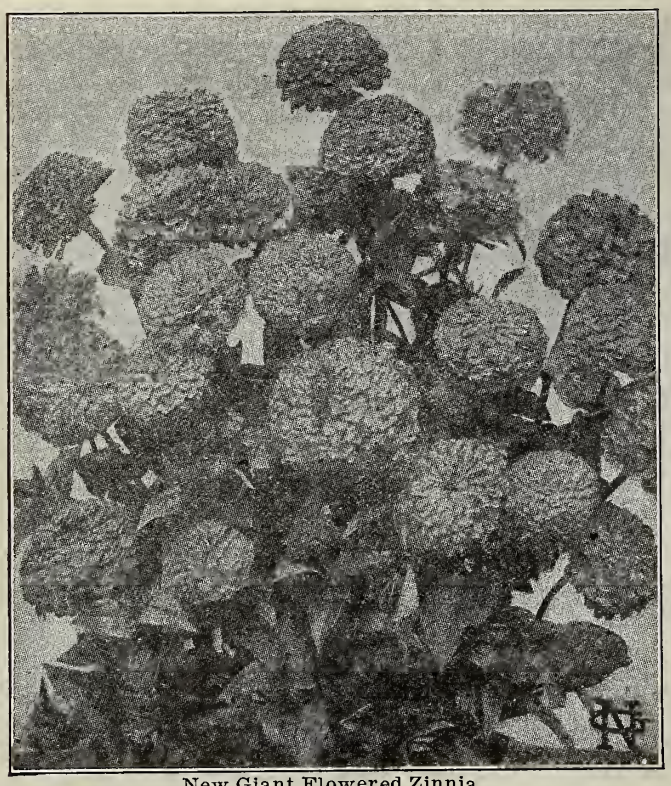
Very free blooming plants, closely allied to the Lychnis; ey form compact plants about a foot high, and are cov- ed from early summer till fall with their bright flowers, haped somewhat like a single Pink, borne on long slender tems; it is best to sow them where they are to bloom, hinning out to prevent overcrowding. Pkt. 5c, ¼ oz. 15c.

FLOWERS FOR BOUQUETS

A mixture of annuals which produce flowers suitable for ouquets and decorating, nearly all having long stems. kt. 10c.



Single Sweet William



New Giant Flowered Zinnia

EVERLASTING OR IMMORTELLES

This class of annuals is of easy culture, producing their straw-like flowers abundantly all summer and fall. Suitable for bouquets.

ACROCLINEUM. Grows 15 inches high, bearing lovely white or rose-pink flowers. In bloom from July to October. Mixed. Pkt. 5c, ¼ oz. 10c.

AMMOBIUM OR WINGED EVERLASTING. Large, handsome double white flowers with yellow disk. Plants 2½ feet high. Pkt. 5c, ¼ oz. 10c.

ATHANASIA. Grows 10 to 12 inches high, very desirable for borders. Golden yellow. Blooms from June until September. Pkt. 5c, ¼ oz. 10c.

GOMPHRENA or Globe Amaranth. Showy plants with brilliant colored globe shaped flowers. 1½ feet high. Mixed. Pkt. 5c, ¼ oz. 10c.

HELICHRYSUM. Mammoth Flowered. Pretty and effective flowers. One of the showiest. Blooming season from July to October. Two feet high. Mixed colors. Pkt. 5c, ¼ oz. 15c.

RHODANTHE. Beautiful for the garden, or grown in pots in the house. The flowers are white, rosy or crimson and show a darker disk. Grows one foot high. Pkt. 5c, ¼ oz. 15c.

Gomphrena

XERANTHEMUM. Profuse blooming hardy annuals. Flowers very double and long stemmed. White and deep purple. Plants grow 12 to 15 inches high. Bloom from July until September. Mixed. Pkt. 5c, ¼ oz. 15c.

SPECIAL MIXED. All the above sorts and many other varieties mixed. Pkt. 10c, ¼ oz. 15c.

ONAMENTAL GRASSES

The Ornamental Grasses are indispensable for the mixed flower bed and for the border, making these more attractive during the summer, while in the dried state the Ornamental Grasses are valuable for winter bouquets. For large beds or groups on lawns nothing gives a finer effect, and they are largely used in many of the finest public parks, etc.

COIX LACHRYMAE. A. (Job's Tear.) Broad, corn-like leaves and hard, shining pearly seeds. 3 feet high. Pkt. 5c, oz. 15c.

EULALIA ZEBRINA. P. (Zebra Grass.) Leaves light green, crossed with creamy white stripes. 3½ to 4 feet high. Pkt. 5c.

GYNERIUM ARGENTEUM. P. (Pampas Grass.) Bears large, white, silvery plumes. Ten feet high. Pkt. 5c.

LAGURUS OVATUS. A. (Hare's Tail Grass.) Produces small white heads. Excellent for bouquets. Pkt. 5c.

PENNISETUM RUEPPELIANUM. P. (Purple Fountain Grass.) Beautiful large spikes of purple color. The foliage is long and slender and glossy deep green in color. 3 feet high. Pkt. 10c.

STIPA PENNATA. P. (Feather Grass.) Beautiful, delicate white, feathery heads, 2 feet high. Pkt. 5c.

MIXED VARIETIES. Many different kinds. Pkt. 10c.

WALLFLOWER. P.

Well known, deliciously fragrant half-har perennial with large spikes of beautiful flowe A fine pot plant.

FINEST DOUBLE. Large spikes of brilliani colored flowers. Pkt 10c.

SINGLE MIXED. Nice colors. Pkt. 5c.

EARLY PARISIAN OR ANNUAL. Beautif flowers of light brown color. Height 1½ fe Pkt. 5c.

ZINNIA. A.

This is one of the most charming flowers, d serving a prominent place in every garden. Pla forms handsome bushes which produce hundre of nice double flowers all summer and fall. Su ceeds everywhere.

STAR FLOWERED. (Novelty.) Resembles miniature Cactus Dahlia, so truly does it rend the character of the Cactus form with its poin petals twisted downward. The plant forms low, compact bush with strong, green folia covered with numerous orange-yellow flowe which makes a beautiful contrast. It bloo from July to October. Pkt. 10c.

DOUBLE POMPON. A very fine strain conta ing many rich colors and shades. Plants gr about two feet high. Pkt. 5c, ½ oz. 15c.

TALL DOUBLE. Tall varieties in splendid m ture. Pkt. 5c, ½ oz. 15c.

NEW GIANT FLOWERED. Three feet high a are very profuse bloomers. Flowers extrem double and very brilliant in color. Finest mix Pkt. 10c, ¼ oz. 25c.

CURLED AND CRESTED. Flowers are la and double; the petals being twisted and curv Very nice. Pkt. 5c, ¼ oz. 15c.

DOUBLE LILIPUT OR FAIRY. Fifteen inc high, and are fairly loaded with tiny, short st med, very double flowers. Mixed colors. Pkt. ¼ oz. 15c.

MEXICAN HYBRIDS. Produce flowers of size of a daisy. They are single, semi-double double, the colors are unique and pleasing. I 10c, ¼ oz. 25c.

DOUBLE DAHLIA FLOWERED. A new cl with large, beautiful dahlia-like flowers in shades. Pkt. 10c, ¼ oz. 25c.

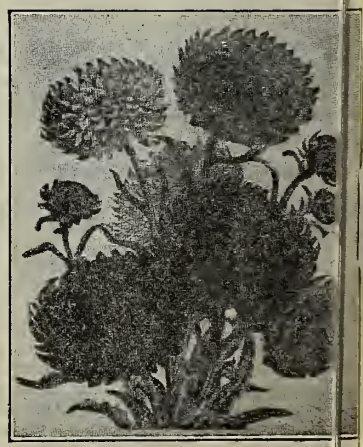
JACQUEMINOT. Beautiful, rich cr son-scarlet; nice double flower. Pkt.

ZEA JAPONICA. A.

This is a four-colored Japanese m in green, white, pink and rose. It is ceedingly effective and graceful a foliage plant, either for centers or ba grounds. Pkt. 5c.

OUR WILD FLOWER GARDEN

This mixture contains several hun varieties of beautiful flowers, suit to be planted together. They will f a mass of bright colored flowers pretty foliage. Large pkt. 10c, ½ oz. pretty foliage. For borders,, a fences and bare spots in the gar nothing more effective could be des Large pkt. 10c, ½ oz. 20c, oz. 35c.



Helichrysum

SELECTED CLIMBING PLANTS

ADLUMIA. P. Allegheny Vine. A graceful, hardy climber, with feathery, fern-like foliage and pretty tube-shaped, pink flowers. Pkt. 10c.

AMPELOPSIS. P. Boston Ivy. Will climb any wall without support. In fall the leaves turn a rich orange and red. Pkt. 5c, ½ oz. 15c.

BALLOON VINE. A. A rapid growing climber, succeeding best on light soil. Flowers white; seed pods like small balloons. Pkt. 5c, oz. 15c.

BALSAM APPLE AND PEAR MIXED. A. Very curious, rapid and dense growing climbers, with ornamental foliage and pretty fruit, which opens when ripe, showing seed and blood red inside. Grows ten feet high. Pkt. 5c, ½ oz. 15c.

BIGNONIA. P. Trumpet Vine. Grows very tall, bearing clusters of trumpet-shaped flowers of orange. Pkt. 10c.

CANARY BIRD VINE. A. Graceful, rapid growing climber with pretty little canary-yellow flowers. 15 feet high. Pkt. 5c, ½ oz. 15c.

COBOEA SCANDENS. A. Beautiful climber, growing 20 to 30 feet in one season. Large, bell-shaped blue flowers. In sowing, place seeds edgewise, cover with light soil. Pkt. 5c.

DOLICHOS. A. Hyacinth Bean. Very pretty, bean-like flowers in erect racemes, followed by ornamental seed pods. 10 feet high. Pkt. 5c, oz. 15c.

EVENING GLORY. A. Quick growing climber with violet-blue flowers. Fragrant, especially in the evening. Pkt. 5c, oz. 15c.

HUMULUS, JAPANESE HOP. A. Variegated Leaved. Rapid, dense growing climber, 12 to 20 feet high. The leaves are beautifully marbled and splashed with silvery white, light and dark green; very effective for screens, arbors, trellises, etc. Pkt. 5c, ½ oz. 15c.

JAPANESE KUDZU VINE. P. (Jack and the Bean Stalk Vine.) Of wonderfully quick growth, climbing to a height of 50 feet. The large, bold leaves are of dark green color and make a dense shade. Pkt. 10c.

LATHYRUS. P. (Everlasting Pea or Hardy Sweet Pea.) Hardy perennial climber with white, pink and crimson pea-shaped flower clusters. Grows 6 feet high, flowering from July to September. Fine for cut flowers. Pkt. 5c, ½ oz. 15c.

MEXICAN MINA VINE. A. The leaves resemble oak leaves, and the flowers are borne in large clusters. Blood red, yellow throat. Grows 20 to 25 feet high. Pkt. 5c, ½ oz. 20c.

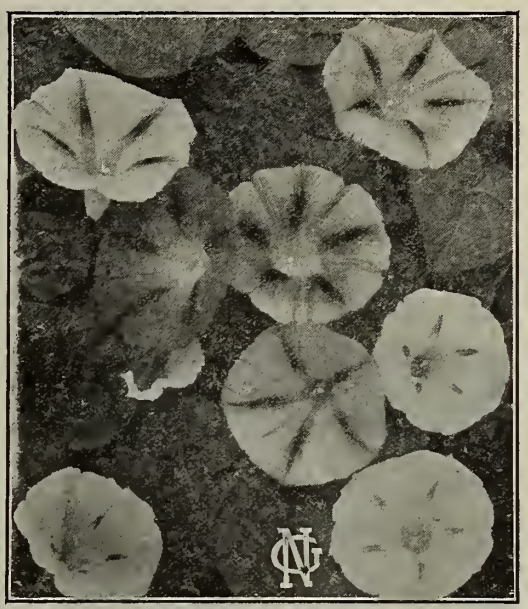
MOONFLOWER, MAMMOTH WHITE. A. The most rapid grower of all climbers. The vines are literally covered with thousands of large, pure white, fragrant flowers. Will grow 30 to 40 feet in a single season. Pkt. 10c.

MOONFLOWER, LILAC BLUE. A. Growth similar to Mammoth White. Produces lovely, large flowers of lilac blue color. Pkt. 10c.

MOONFLOWER, PINK HYBRID. A. Of marvelous growth. Color a most exquisite soft lilac pink. Foliage is dense, luxuriant and of large size. Pkt. 10c.

PASSION FLOWER. P. Tender perennial climber for the summer garden, for window boxes and pot culture. Flowers beautiful, white and blue; very large, wax-like. Pkt. 10c.

Ornamental Gourds



Mixed Morning Glory

NASTURTIUM. A. Tall or Climbing. See page 103.

SCARLET RUNNER BEAN. A. Well known and popular ornamental vine. Flowers dazzling scarlet and very showy. Large pkt. 10c.

SMILAX. P. Makes a fine pot plant for winter. Lovely glossy green foliage which is greatly prized for bouquets and decorating. Pkt. 5c, ½ oz. 20c.

SWEET PEAS. A. See page 106.

WILD CUCUMBER. A. Will grow 30 feet in one season. Bears pretty white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Pkt. 5c, oz. 15c.

Coboea Scandens

CYPRESS VINE. A.

For trellises the Cypress Vine cannot be excelled. It has a profusion of pretty star-shaped blossoms and its fine leaved, feathery foliage is well adapted to ornamental work. Will grow 15 to 20 feet high.

IVY LEAVED. Foliage ornamental. Flowers fiery red. Pkt. 5c, ½ oz. 20c.

SCARLET. Flowers bright, glowing scarlet. Pkt. 5c, ½ oz. 15c, oz. 25c.

WHITE. Pretty blossoms of clear white color. Pkt. 5c, ½ oz. 15c, oz. 25c.

MIXED. Mixture of all kinds, including white. Pkt. 5c, ½ oz. 15c, oz. 25c.

MORNING GLORIES. A.

Well known climbers with beautiful, showy flowers in endless variety of colors. For covering walls, trellises, arbors, stumps of trees, they are invaluable. Will succeed anywhere.

GIANT FLOWERED MIKADO. A new giant type with enormous flowers, handsome colors, shapes and markings. Their colors run from snow white through all shades of blue and from palest pink to darkest reds and purples. Finest mixture. Pkt. 10c, ½ oz. 20c.

IMPERIAL JAPANESE. This is a large flowering Japanese strain, with beautiful blossoms in the most varied colors and shades. Pkt. 5c, oz. 20c.

DOUBLE FLOWERED. Double and semi-double. Finest mixed. Pkt. 10c.

MIXED. The old-fashioned Morning Glories in mixture of many colors. Pkt. 3c, oz. 10c.

ORNAMENTAL GOURDS. A.

Desirable, pretty climbers for many places where a large amount of vines are wanted quickly. The blossoms of some are striking and handsome.

DIPPER. Fruit makes excellent dippers. Pkt. 5c.

HERCULES CLUB. Fruits green, 3 to 4 feet long. Pkt. 5c, oz. 15c.

LUFFA OR DISH CLOTH. Many ladies prefer a dish cloth made of this gourd to anything else. Pkt. 10c.

NEST EGG. Resembling in color, shape and size the eggs of hens. They make best nest eggs. Pkt. 5c, oz. 20c.

ORANGE SHAPED. Known as mock orange. Pkt. 5c, oz. 15c.

SUGAR TROUGH. The fruits have thick shells, very light but durable. Holds 6 to 8 quarts. Pkt. 5c, oz. 20c.

ORNAMENTAL MIXED. Many varieties mixed. Pkt. 5c, ½ oz. 15c, oz. 25c.

FARM SEED DEPARTMENT

Our farm seeds are grown from carefully selected stock for seed purposes, and every effort is made to keep them pure and free from weed seeds. All varieties which we offer have been well tried and found to be of superior merit. We have a new law in Nebraska compelling Seed Houses to sell seeds with purity and germination according to a schedule, which is part of the law. Any seed that is not up to the standard must be labeled as such. We will after this sell farm seeds, including all grasses, clovers, alfalfa, corn, oats, etc., only NEBRASKA STANDARD; that is, seeds that will come up to the germination and purity required by our laws. In comparing our prices with those of other Seed Houses, please bear this in mind. Our laws are very strict and we live up to them as nearly as possible for us to do so. At the prices quoted we furnish Burlap sacks free of charge, but would advise to have all heavier seeds shipped in new Grain Bags, for which we make an extra charge of 23c each. **Please notice that seeds cannot be packed together with trees and plants,** as the latter are packed in damp moss, whereas seeds must be kept dry. If your shipping point is a "prepay station" be sure to send a sufficient amount extra to cover freight charges. In all cases where this is not done, we ship to nearest point which is not a prepay station. We do not ship C. O. D. unless one-third the amount of order is sent us with order. Our prices per pound and three pounds are postpaid by parcel post. Larger quantities are shipped at buyer's expense. **As this catalogue goes to press early in the season, our prices are subject to change.**

Junghans Oats

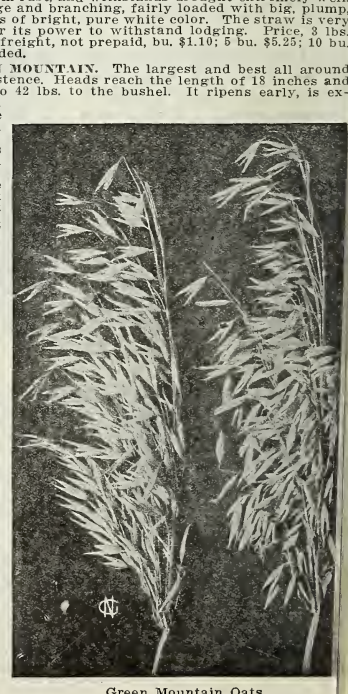
OATS

JUNGHANS. I received this oats from a German friend in Wisconsin, who has been raising it with much success for some time. In 1904 he received the First Premium on this splendid new oats at the St. Louis World's Fair. I find that the oats has very heavy straw, stands up well and the past season we found no rust nor smut in this Oats, as we did in many other fields. The heavy straw has many very long, broad leaves, which makes it very valuable for feeding stock. The heads are very long and are well filled with large, plump kernels which weigh about 40 lbs. per bushel. It ripens about the same time as the White Swedish Oats. My stock of this oats is not very large, and I would advise my customers to order early. Price, by paid parcel post, 3 lbs. 50c. Not prepaid, pk. 35c; bushel $1.10; 5 bushels $5.25; 10 bushels $10.00.

NEW KHERSON. These oats were first introduced here by the University of Nebraska from Russia. This variety ripens two or three weeks earlier than other oats. Plant is of vigorous but rather dwarf growth, stiff in straw, hence will withstand strong winds and not lodge. Leaves are broad, heads large and full. Kernels light yellow color and contain an extra large berry. Our seed was grown from the original stock. Price, 3 lbs. 50c, postpaid. By freight, not prepaid, bu. $1.10; 5 bu. $5.25; 10 bu. $10.00, sacks included.

REGENERATED WHITE SWEDISH SELECT. This oats yields heavily, is free from rust, and withstands drought extremely well. The heads are large and branching, fairly loaded with big, plump, thin-hulled kernels of bright, pure white color. The straw is very stiff and noted for its power to withstand lodging. Price, 3 lbs. 60c, postpaid. By freight, not prepaid, bu. $1.10; 5 bu. $5.25; 10 bu. $10.00, sacks included.

READ'S GREEN MOUNTAIN. The largest and best all around White Oats in existence. Heads reach the length of 18 inches and grains weigh 35 to 42 lbs. to the bushel. It ripens early, is extremely hardy, rust proof and free from smut and disease. Resists drouth and adapts itself readily to all soils and climates. The grains are the largest and purest white of any. It yields more than double the yield of the ordinary kinds under same conditions. Price, 3 lbs. 60c postpaid. By freight, not prepaid, bu. $1.10; 5 bu. $5.25; 10 bu. $10.00, sacks included.



Green Mountain Oats

BARLEY

ODERBRUCKER. A stiff strawed, heavy yielder, six-rowed, bearded variety. It has a protein content of 15 per cent, or nearly double the amount found in other varieties. This makes it a valuable feeding barley. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 60c; bu. $1.75; 5 bu. $8.50, sacks included.

MANDSCHEURI. This is an extra early six-rowed variety, with long straw, bearing long, well filled heads of plump grain. It is a good variety to grow, either for feed or for the market; its malting qualities are unsurpassed. Price, 3 lbs. 60c postpaid. By freight, pk. 55c; bu. $1.60; 5 bu. $7.75, sacks included.

CHAMPION BEARDLESS. A fine beardless Barley that has been planted largely for so many years. The kernels are large, plump and heavy. It is earlier than any bearded Barley, will yield more and will not discolor as easily as other Barley. In regard to soil it is not particular. A first-class barley for malting. Price, 3 lbs. 60c, postpaid. By freight, not prepaid, pk. 75c; bu. $2.00; 5 bu. $9.40, sacks included.

WHITE HULLESS. No beards or hulls. The grain looks like wheat. Equal to wheat in feeding value, and will yield nearly twice as much. Early, beardless, soft straw. Sow in spring. Price, 3 lbs. 70c, postpaid. By freight, pk. $1.00; bu. $3.50; 5 bu. $15.00.

Waterville, Kan., April 9, 1914.

The order we got was all O. K., and we thank you very much for it was surely nice, and P. F. Jacobson said that he never had an order that nice, and he was well pleased with it.

MRS. R. L. JOHNSON, R. No. 3.

Speltz

MACARONI WHEAT

A wheat that will grow where others fail. A very heavy yielding variety, and does especially well in the semi-arid plains. It seems to be always a sure crop, and will mature in a shorter season than any other wheat. The grains are very hard and rather large. Sow seed early in the spring, about 1½ to 2 bushels per acre. In the southern part of Kansas and Oklahoma, and from there on South, it may be sown in the fall as winter grain. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 60c; bu. $2.00; 5 bu. $9.25; 10 bu. $18.00, sacks included.

WINTER WHEAT

We can supply the Turkish Red, Bearded Fife and Harvest King, best seed. Write for prices in August.

FLAX SEED

Flax is one of the most profitable crops, especially on new land. It makes a quick crop, being sown in April and harvested in June. The seed is always marketable at a good price. We offer good, clean seed. Sow ½ bushel per acre. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 75c; bu. $2.50; bags included.

MAMMOTH WHITE WINTER RYE

Winter Rye is a sure crop—failures being almost unknown. It is usually sown in the fall and as it grows very vigorous, will furnish pasture until late in the fall, and also early in the spring it makes an abundant pasture, but then makes no crop. 3 lbs. 60c postpaid. By freight, not prepaid, pk. 50c; bu. $1.50; 2 bu. $2.85, bags included.

SPRING RYE

Invaluable as a catch crop. Can be sown later than any other spring rye, but usually yields well. The seed we offer is home grown. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 50c; bu. $1.60; 2 bu. $3.00, bags included.

RUSSIAN SUNFLOWER

The largest Sunflower. One of the best paying crops to raise. Seeds are the best of feed for poultry, and much cheaper to raise than corn. 3 to 4 lbs. per acre. Price, lb. 25c; 3 lbs. 70c postpaid. By freight, not prepaid, 10 lbs. $1.00; 25 lbs. $2.25.

BUCKWHEAT

JAPANESE. An early and very prolific variety, with kernels about double the size of ordinary sorts. The best for the Western states, as it withstands drought well. 3 pecks per acre. Price, 3 lbs. 50c postpaid. By freight, not prepaid, pk. 50c; bu. $1.80; 2 bu. $3.40, sacks included.

SILVER HULL. Well known standard variety. Sow one bushel per acre. Price, 3 lbs. 50c postpaid. By freight, not prepaid, peck 50c; bushel $1.90; 2 bushels $3.50, sacks included.

YELLOW LUPINS

One of the best known plants for reclaiming poor soil, particularly sandy and old, worn out land. By plowing a crop of Lupins such land can be made very valuable. The plants in the green state or when dried, make very good fodder for sheep. The seed when burned is excellent as a fertilizer for orange and olive trees. Sow in the spring when the ground has become warm, at the rate of 75 to 100 lbs. per acre. Price, lb. 25c; 3 lbs. 65c postpaid. By freight, not prepaid, 10 lbs. $1.15; 100 lbs. $8.50.

SORGHUM OR SUGAR CANE

Dairy farmers say that Sugar Cane is the most valuable fodder plant in existence for their use. Can be grown anywhere on any soil that will grow corn. It is of the best quality, being sweet, tender, nutritious and greedily eaten by horses, cattle and hogs. It is claimed that as high as ten tons of green fodder have been grown per acre. Sow 100 pounds per acre for best results. It is a profitable crop, also to grow for seed. When grown for seed sow in drills three feet apart, using 4 to 5 pounds of seed per acre. **Prices subject to change.**

EARLY AMBER. Popular and well known. Succeeds well from Texas to Minnesota. Price, 3 lbs. 40c postpaid. Not prepaid, 10 lbs. 35c; pk. 40c; bu. $1.20; 5 bu. $5.50.

EARLY ORANGE. Ten to fifteen days later than the Early Amber. Well adapted to the South and West. Price, 3 lbs. 40c postpaid. Pk. 40c; bu. $1.20; 5 bu. $5.50.

WHITE KAFFIR CORN

An excellent fodder plant, yielding two crops of fodder during the season. The stalks keep green and juicy, making excellent fodder, either green or dried, which is highly relished by stock. The seed crop is heavy. Sow in rows 3 feet apart, 4 to 5 lbs. per acre. For fodder sow ½ to 1 bushel either broadcast or in drills. Price, 3 lbs. 35c postpaid. By freight, pk. 25c; bu. $1.20; 5 bu. $5.25. Write for prices on larger quantities.

RED KAFFIR CORN

Similar to the White, except the seed is of red color. Ripens a little earlier and is said to withstand drought even better than the white. Price, by mail postpaid, 3 lbs. 40c. By freight, not prepaid, pk. 35c; bu. $1.20; 5 bu. $5.25. Write for prices on larger quantities.

SPELTZ OR EMMER

The grain is considered as good as oats for stock and better than barley for hogs. It makes excellent pasture and good hay if cut at proper season. Produces from 50 to 100 bushels of seed per acre, and yields well in dry years. It is claimed that it will make a crop where the annual rainfall is only 10 inches. Can be sown very early as plants are not injured by frost or snow. Drill, 2 bushel, or if sown broadcast, 3 bu. per acre. Price, 3 lbs. 40c postpaid. By freight, not prepaid, bu. (40 lbs.) $1.45; 5 bu. $6.75; 10 bu. $12.50.

Paola, Kan., April 17, 1914.

Will drop you a few lines to let you know that I received the trees and plants and all in good condition. I am well pleased with them and many thanks for the Lilac Bush. The peach tree which you sent alone I received yesterday, and it was all right.

MRS. LENA HENNIS, R. No. 7, Box 8.

Beardless Barley. P. 110.

SELECTED SEED CORN

The greatest care is used in selecting and harvesting our seed corn. Every ear is examined, and if found true to type of that variety, it is then tipped and butted; afterwards shelled and run over our large corn grader and cleaning mill and not only fanned, but also graded. Seed corn prepared in this manner is well worth the price we ask for it.

REID'S YELLOW DENT. This corn is light golden in color. The ears are 9 to 11 inches long, 18 to 20 rows of kernels. The ears are cylindrical from butt to tip. The cob is completely covered with solid corn, shelling 88 per cent grain, and often better. The kernels are moderately rough, rather narrow, medium in thickness, wedge shape, setting very close together, **with no lost space between the rows.** It has an abundance of foliage. Ripens in 110 days. Splendid sort for the Western States in general, but not recommended for the North. Price, 3 lbs. 60c postpaid. By freight, not prepaid, peck 75c; bu. $2.75; 5 bu. $13.50, sacks included.

IOWA GOLD MINE. Very popular early yellow dent corn, ripening a few days later than Pride of the North. Ears are not large, but of good size and symmetrical; color a bright golden yellow; grain is very deep, cob small. It yields heavily and will mature in 95 days. Price, 3 lbs. 60c postpaid. By freight, not prepaid, peck 75c; bu. $2.75; 5 bu. $13.00, sacks included.

NEBRASKA YELLOW DENT. The best and heaviest yielding yellow corn for Nebraska and the Western States. Ears are large, uniform in size, and well filled; kernels of good size and golden yellow color. Cobs are small. Stalks are medium size, strong and well rooted, producing two good, well shaped ears each. It is a strong grower and will produce a larger yield on poor land than any other variety. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 80c; bu. $2.70; 5 bu. $13.00, sacks included.

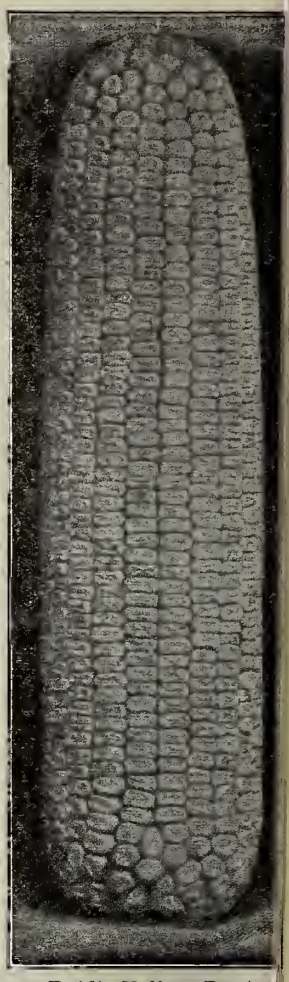
IMPROVED CALICO. This old-fashioned striped Calico corn has always been popular as a feeding corn. Very deep grained and heavy. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 70c; bu. $2.60; 5 bu. $12.50.

IOWA SILVER MINE. An early variety of White Dent Corn, which is remarkable for its large yields. It is the largest eared White Dent Corn, ripening in 90 to 95 days. The ears are very uniform in size and shape, with 16 to 20 rows of pure white kernels set on a small white cob, and are well filled out over the tip. Seventy pounds of corn in the ear will make 62 pounds shelled. It is hardy and a great drought resister. Price, 3 lbs. 60c postpaid. By freight, not prepaid, peck 70c; bu. $2.75; 5 bu. $13.00, sacks included.

EARLY MURDOCK. This fine Yellow Dent Corn, on account of its extreme earliness, is well adapted to Minnesota and the Dakotas. Ears are well filled to the tips, 16 to 20 rows, very large for so early a corn. Stalks are of medium height, stout and stocky. The best extra early Yellow Dent Corn for all sections. Price, 3 lbs. 60c, postpaid. By freight, not prepaid, peck 70c; bu. $2.65; 5 bu. $12.00, sacks included.

CHAMPION WHITE PEARL. The stalk is short and thick. The ear grows low on the stalk, is from 7 to 10 inches in length, almost averaging 16 rows of grains. The grains are pure white, very deep, compact and heavy. The cob is small. By a test, 70 ears weighed 87½ pounds, of which the cobs alone weighed only 7 pounds. This variety is a great drought resister. It matures in 95 to 100 days. Price, 3 lbs. 60c, postpaid. By freight, not prepaid, pk. 75c; bu. $2.70; 5 bu. $12.75, sacks included.

EARLY YELLOW FLINT. An eight-rowed flint variety with ears 10 to 15 inches long, 1½ to 2½ inches in diameter, and are well filled out to the extreme end of the cob. The cob is small and the kernel large and broad, ripens in 75 to 85 days. This corn is adapted to the Northwest. Excellent for ensilage. Price, 3 lbs. 60c, postpaid. By freight, not prepaid, pk. 70c; bu. $3.00; 2 bu. $5.75.



Reid's Yellow Dent

Iowa Silver Mine

SANFORD WHITE FLINT. T most productive White Flint co yielding a large crop of corn a fodder at the same time. The ea are very long, measuring from 12 15 inches and are of a very har some apearance, with large kern of transparent white color. Pri 3 lbs. 60c postpaid. By freight, r prepaid, pk. 80c; bu. $3.00; 2 $5.75.

SWEET FODDER CORN. This of greater value for dairy farm than common fodder corn on count of its high feeding and m production quality. As a gr fodder for cutting in the summ one acre is worth eighty acres ordinary pasture. Of high va also for hogs, and an excellent pl to plow under for soiling. Sow drills or broadcast 2 bushels acre. Price, by freight, not p paid, pk. 90c; bu. $3.50; 2 bu. $6

Solano, N. M., Apr. 7, 191
The trees arrived in good sh and all the trees which I h bought of you during the last th years are growing—Apricots Compass Cherry in full bloom n Thank you for the gift shrubs. sure you they are very much ap ciated in this new country, wh everything in a tree or shrub lin so scarce. But from my experie everything is making good, and can look forward to larger or from the country people in the ture. MRS. T. M. HUGHE

Washington, Kan., Apr. 15, 1
Please accept my sincere tha for the flower seeds you kir sent me. MRS. J. W. PIERC

Japanese Buckwheat

BROOM CORN

Broom Corn is one of the most paying crops and is adapted to any soil that will grow corn. It will make a crop with very little rain. One acre will yield 1 to 1¼ ton of cured brush and up to 40 bushels of seed, which is nearly equal to oats in feeding value. Plant in drills 3½ feet apart, and in rows about 3 inches apart; and cultivate the same as corn. About 5 to 8 lbs. of seed will sow an acre. If planted the first of June, the crop will be ready to cut September 15th. **Prices subject to change.**

IMPROVED EVERGREEN. This variety grows about 8 to 10 feet high, stands up well, and is entirely free from crooked brush. Price, 3 lbs. 75c postpaid. By freight, 10 lbs. 70c; 25 lbs. $1.40; 100 lbs. $3.75, sacks included.

OKLAHOMA DWARF. Most valuable grain grown in Oklahoma and the Southwest. Very early and is a drought resister. Averages 5 feet in height. Is a great yielder. Price, 3 lbs. 75c postpaid. By freight, not prepaid, 10 lbs. 80c; 25 lbs. $1.50; 100 lbs. $3.90, sacks included.

YELLOW MAIZE OR BRANCHING SORGHUM

Highly valued because of its certainty to produce good crops on poor, dry soil. Grows 9 to 10 feet tall and branches freely. The seed heads produce a large quantity of grain, which is superior food for fowls. Plant in drills, 3 to 4 feet apart, using 5 to 6 lbs. per acre. Price, 3 lbs. 60c postpaid. By freight, pk. 40c; bu. (50 lbs.) $1.30; 2 bu. $2.40, sacks included. **Prices subject to change.**

DWARF ESSEX RAPE

The easiest cultivated and most profitable plant for sheep, hogs or cattle feed known. It can be sown in early spring along with oats or rye, and eaten off by sheep within a week or so after harvest. It can also be sown on wheat, oats or rye stubble, or on any vacant land up to the end of July, and will yield an immense crop of green fodder in six to eight weeks from time of sowing—nothing like it for sheep feed. Rape should be sown in drills at the rate of 3 lbs. per acre, or broadcast, using 5 to 6 lbs. per acre. Price for true Dwarf Essex Rape, first quality seed, 3 lbs. 70c postpaid. By freight, not prepaid, 5 lbs. 60c; 10 lbs. $1.00; 25 lbs. $2.25; 100 lbs. $8.75. Good grain bags 23c each.

SAND VETCH OR WINTER VETCH

The true Winter Vetch or Hairy Vetch. A forage plant which has proved of highest value. It succeeds and produces good crops on poor sandy soils, and grows to a height of 4 to 5 feet. It is exceedingly nutritious, is eaten with relish, and may be fed with safety to all kinds of stock. Is the earliest crop for cutting, and a full crop may be taken off the land in time for the spring crops. It serves equally well as a cover crop, for pasturage, hay, or as a soil renovater. In the far North sow in the early spring; in moderate climates sow from July to November, broadcast or in drills, at the rate of 1 bushel per acre, with ½ to 1 bushel of rye, wheat, oats or barley. Cut when the vetches are in full bloom. Price, lb. 30c; 3 lbs. 80c postpaid. By freight, not prepaid, pk. $2.50; bu. (60 lbs.) $9.00, sacks included.

WILD RICE

A valuable plant in lakes and marshes to attract wild fowl. The seed should be sown during September and October or in early spring. Sow broadcast in water 6 inches to 6 feet deep, with mud bottom. Sink seeds in bags in water over night to soak it thoroughly, so it will sink to the bottom at once. Per lb. 35c postpaid. Not prepaid. 10 lbs. for $2.25.

FETERITA

A new non-saccharine from Sudan. It is an early maturing drought resisting sorghum of considerable value both for fodder and grain. It has rather slender stems varying in height from 4 to 7 feet with locality and season. The stems are juicy and slightly sweet before ripening. Suckers are produced freely when moisture is sufficient. Feterita resembles milo in habit, except that the heads are uniformly erect; the seed is larger, softer and chalk white or slightly bluish in color. It differs from Jerusalem corn in having erect heads, black glumes and plumper seed. It is also a little earlier than dwarf milo and yields about the same. It should be sowed in hills 40 to 44 inches apart, and not put in the ground before the ground is warm; about 2 weeks after Indian Corn, as it is still more liable to rot in cold ground. 3 to 5 lbs. will sow 1 acre. Price, 3 lbs. 45c postpaid. By freight, not prepaid, pk. 60c; bu. $2.00.

WE DO NOT PREPAY THE FREIGHT CHARGES ON FIELD SEED ORDERS OF $10.00 OR MORE. THIS APPLIES TO TREES AND PLANTS ONLY.

Lexington, Mo., R. No. 1, Box 23.
April 12th, 1914.
I received our trees all O. K. and they were in fine condition. BUD JENKINS.

Burden, Kan., April 17, 1914.
The bill of trees came yesterday evening and seemed to be in good shape.
A. B. BOOTH.

GIANT SPURRY

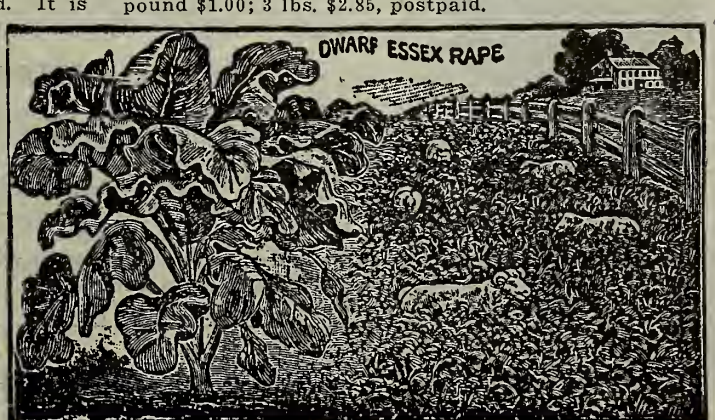
This is a very valuable annual forage crop for sandy soil or worn out land, where almost no other crop will grow. Is a splendid catch crop in short seasons and makes excellent pasture for sheep and milch cows. As a fertilizer to plow under it has few equals. Dr. Manley, of Lansing, Mich., calls it the clover of sandy soils yielding 7,700 lbs. per acre. Sow 10 to 12 lbs. per acre, broadcast, and harrow it lightly. Price, lb. 25c; 3 lbs. 70c, postpaid. By freight, 10 lbs. $1.25; bu. (50 lbs.) $4.75, sacks included.

SERADELLA OR CULTIVATED BIRDSFOOT

For light, poor or sandy soils Seradella is one of the best fodder plants. It is sown at the rate of 10 to 15 lbs. per acre, and can be sown either by itself, or in winter wheat or rye, in early spring, growing rapidly after the grain has been cut. Desirable as a catch crop. Not perennial, but can be cut twice and give good pasture. Price, lb. 25c; 3 lbs. 70c postpaid. By freight, not prepaid, 15 lbs. $1.75; 25 lbs. $3.00; 100 lbs. $10.00, sacks included.

TEOSINTE

Teosinte is a valuable forage plant, resembling field corn very much in its habit of growth, but throwing out side shoots or suckers in much greater profusion. It is very rich in saccharine, and furnishes a more desirable fodder than ordinary field corn. It is greedily eaten by all kinds of stock, either in the green state, or when cured as hay. It can be cut two to five times in one season. Should not be planted until the ground is warm. Plant in drills 3 feet apart, dropping three to four seeds every 12 inches. Three to four pounds of seed will plant an acre. Cultivate the same as field corn. A valuable forage plant that should be tried by everyone. Ounce 10c; ¼ pound 30c; pound $1.00; 3 lbs. $2.85, postpaid.



MILLET

Millet is a paying crop for the stock raiser and dairy farmer, because it is of the greatest feeding value and milk producing quality. It will yield much more good hay per acre than timothy and clover. Of the greatest value for late sowing as a "catch crop." When spring is so unfavorable and wet that other crops fail to grow, Millet can be put in as late as June 15th, and can be depended upon to make a good crop. **Prices are subject to market changes.**

German Millet

GERMAN OR GOLDEN MILLET. Matures about two weeks later than common millet. It grows from 4 to 5 feet high, yielding an abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow 1 bushel per acre, or for seed ½ bushel. Price, 3 lbs. 35c postpaid; Pk. 40c; bu. $1.25; 5 bu. $6.00, not prepaid.

NEW SIBERIAN. Is earlier than all other kinds and wonderfully productive. Makes fine hay and rust proof. Has become very popular in the West, as it withstands droughts well and is extremely hardy. Will yield 50 to 75 bushels of seed per acre. Seed is of reddish color. Sow 2 to 3 pecks per acre. Price, 3 lbs. 50c postpaid. By freight, not prepaid, bushel (50 lbs.) $1.40; 5 bushels $6.85. Grain bags 23c each extra.

JAPANESE MILLET. A distinctly new variety, which has been called the "Billion-Dollar Grass." Especially valuable for the Northern states. It yields an enormous crop of foliage, which is greatly relished by stock. When cured it makes an excellent hay. Can be sown until the end of July. In Kansas and our Western states in general this millet has given splendid results. Sow the seed broadcast at the rate of 15 lbs. per acre, or in drills 12 to 18 inches apart, using 12 to 15 lbs. per acre. Price, 3 lbs. 55c postpaid. By freight, not prepaid, 15 lbs. $1.00; bushel (50 lbs.) $2.75; 100 lbs. $5.00. Grain bags, 23c each extra.

PEARL MILLET. Entirely different from ordinary millet. An immense fodder yielder of tall growth, highly recommended by the U. S. Department of Agriculture. PYrice, lb. 25c; 3 lbs. 70c, postpaid. By freight, 10 lbs (for one acre $1.00; 25 lbs. $2.25; 100 lbs. $8.00.

Millet seed should be shipped in strong grain bags to insure safe transit. We make an extra charge of 23 each for new grain bags.

FIELD PEAS

Valuable for fattening stock. Can also be grown to best advantage for soiling purposes. Great nutritive value for fodder, either when the matured peas are fed as ground feed or when the vines are cured for hay. Can be sown alone or with oats; if sown alone 2 bushels per acre, with oats 1 bushel of peas and 1½ bushels of oats.

CANADA YELLOW OR GOLDEN VINE. Ripens early and is a good yielder. Price, 3 lbs. 60c postpaid. By freight, pk. 90c; bu. $3.50; 2 bu. $6.75, sacks included.

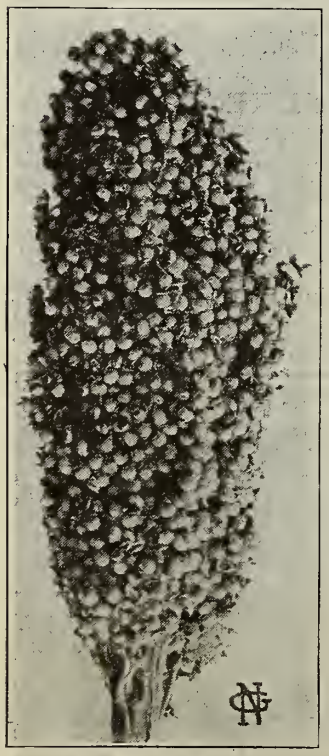
GREEN CANADA. Very hardy, extra early and a good yielder. 3 lbs. 60c postpaid. By freight, pk. 90c; bu. $3.50; 2 bu. $6.75, sacks included.

COW PEAS

Largely grown in Southern states, as a hay cro and fertilizer, in which respect they are of grea value. May be sown in corn at time of last cultiva tion or after a crop of early potatoes. Sow broadcas at the rate of 1½ bushels per acre, or they can b planted in rows about 3 feet apart with a cor planter. This will require only ½ bushel per acr **Prices subject to change.**

NEW ERA. The earliest variety and the best so for the North and West. Price, 3 lbs. 65c postpai Crop very short. Pk. $1.00; bu. $3.60. Write for price on larger quantities.

WHIPPOORWILL. A favorite in Oklahoma, Texa and the South. 3 lbs. 65c postpaid. Crop is short. P $1.00; bu. $3.60. Write for prices on larger quantitie



Feterita (Page 113)

JERUSALEM CORN

A non-saccharine sorghum, especially adapted for cultivation in dry section It is a sure cropper, yielding an immense crop of flat, white soft grain, simila to white kaffir corn, and very valuable as a feed for stock and poultry of a kinds. The plant grows about 3 feet high, making a single large head of th main stalk and numerous small heads on the side shoots. Four to five lbs. seed in drills is required to plant an acre, or if sown broadcast ¾ to 1 bushel p acre. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 90c; bu. (50 lbs $3.25.

SHALLU OR EGYPTIAN CORN

(Sorghum Vulgare.) A well known cereal, it produces a large quantity seed, of which fowls and animals are fond. Can also be sown broadcast f soiling, or in drills for fodder and seed. If sown in drills, one peck of seed p acre is ample. If sown broadcast one bushel per acre. For grain, the stall should not be nearer than 10 inches in the drill, but if to be cut repeatedly f soiling, it is better to sow quite thickly in the hills. Seed should not be sow too early, and covered from one-half to one inch. If too much rain in the sprin the seed will not come up well; they require more heat than the other sorghum Price, lb. 25c; 3 lbs. 40c postpaid. By freight, not prepaid, pk. 50c; bu. $1.90.

AUSTRALIAN SALT BUSH

A most valuable plant for regions subject to drought and for growing alkali soils. When once established it will make satisfactory pasture or h crop in the driest weather and on soil so strongly alkaline that nothing else w grow. The plant is of a low spreading growth, sending out runners 8 to 9 fe long in all directions and covering the ground with a thick, dense mat of fo age a foot in depth. The seed requires moisture to start it into growth a should be planted early in the spring on well pulverized soil. Price, oz. 1 ¼ lb. 40c; lb. $1.40; 3 lbs. $3.75 by mail postpaid.

WE DO NOT PREPAY THE FREIGHT CHARGES ON FIELD SEED ORDE OF $10.00 OR MORE. THIS APPLIES TO TREES AND PLANTS ONLY

Ft. Morgan, Colo., May 12, 1914.

Received letter regarding trees and shrubbery and will say it gave first-cla satisfaction and when in need of any more, will send to the German Nurser for it. W. J. GOODMAN

CLOVER AND GRASS SEEDS

Alfalfa

OUR PRICES on Clover and Grass Seeds are based on the market values prevailing at the time this catalogue goes to press. We reserve the right to fill orders according to price based on the market changes when your order reaches us. We guarantee to give full value for money received and will hold to our catalogue prices as long as our supply of seeds will last. For new grain bags to ship clover seed in we make an extra charge of 23c for each bag. Sample packets mailed on application. All seeds put out under our name of NEBRASKA STANDARD, are absolutely the best and finest obtainable and will pass under our new state law.

ALFALFA OR LUCERNE. The most valuable forage plant. In the driest weather, when every blade of grass withers, Alfalfa is as fresh and green as in the spring, as its roots go down from ten to twenty feet to the moisture of the ground. The seed may be sown early in the spring, as soon as the frost is out of the ground in order to catch the spring rains, as it needs moisture to germinate. Sow the seed broadcast, 15 to 25 lbs. to the acre. Sow with a hand seeder, going over the field crossways and using half the quantity of seed each way. May also be sown in the fall. The seed bed should be well prepared and the ground well pulverized. Our seed is of the best quality and free from adulteration. We furnish Nebraska upland grown seed which should not be confounded with seed grown under irrigation as the latter is practically worthless unless it be grown under irrigation again.

Price, Nebraska Standard Grade Alfalfa, per lb. 35c; 3 lbs. 90c, postpaid. By freight, not prepaid, pk. $3.00; bu. (60 lbs.) $11.00.

TURKESTAN ALFALFA. Has recently been introduced by our Agricultural Department. It was found growing on the high lands of Asia, and is especially adapted to the sudden changes of temperature that prevail there—intense heat at midday and very often frost at night, even at mid-summer. Turkestan Alfalfa resembles the ordinary cultivated alfalfa described above, excepting that the leaves are shorter and sparsely clothed with short hairs. Its cultivation has been quite successful in the arid regions of the West, and under conditions where Alfalfa fails, the Turkestan Alfalfa will prove to be of greatest value. Will grow on alkali soils. As there is much seed of the common Alfalfa sold for Turkestan, we wish to state that we have the true Turkestan Alfalfa.

Price, Nebraska Standard Grade of seed, per lb. 40c; 3 lbs. $1.15. By freight, not prepaid, peck $3.00; bushel $11.00.

SWEET CLOVER, BOKHARA OR BEE CLOVER. (Melilotus Alba.) Will grow on any soil and is invaluable for bee food. It is greatly relished by the bees and makes superior honey. Of great value as a fertilizer. Sweet Clover will furnish the soil with bacteria for the successful growing of Alfalfa. It will make sandy soils fertile. Sow 10 to 12 pounds per acre.

Price, Nebraska Standard, per lb. 50c; 3 lbs. $1.40, postpaid. By freight or express, not prepaid, 10 lbs. $3.00; bu. $15.00.

WHITE CLOVER. This is of particular value in mixtures for pastures and lawns, and will grow on almost any kind of soil, excepting wet or very moist ground. Being very hardy and of creeping habit, it will also prevent the ground from being washed away by heavy rains. Sow 5 to 6 lbs. per acre. Seed is very scarce. Write for prices on larger quantities.

Our **Nebraska Standard Grade Seed,** per lb. 50c; 3 lbs. $1.40, prepaid. Not prepaid, 1 lb. 40c; 5 lbs. $1.75.

Medium Red Clover

MEDIUM RED CLOVER. (June Clover.) Regarded the most important of all clovers, not only for forage, but also as a soil fertilizer. When sown for forage use 10 to 15 lbs. per acre. Enriches the soil, furnishes an immense amount of grazing, large crops of excellent hay and is a profitable seed crop. It can be sown with wheat or oats early in the spring, but will do equally well when sown in the fall. Our clover seed is grown on clean land and we clean all seed with the latest improved machines. Our customers can rely upon receiving only the best seed.

Our **Nebraska Standard Grade Seed,** per lb. 35c; 3 lbs. $1.00, postpaid; pk. $3.20; bu. $12.00. Write for prices on larger quantities.

MAMMOTH RED CLOVER. (Pea Vine Clover.) This is well known for its enormous yields and for reclaiming exhausted land. It is extremely hardy and will flourish on soil which is too low and heavy for the common Red Clover. The hay is of choice quality, and is greedily eaten by all kinds of stock. Sow 10 to 12 pounds per acre. Can be sown either in the spring or fall. We furnish the true Mammoth Clover, seed of which is usually difficult to procure. The new crop seed is of extra fine quality. Write for prices on larger quantities.

Our **Nebraska Standard Grade Seed,** per lb. 35c; 3 lbs. $1.00 postpaid; pk. $3.20; bu. $12.00, not prepaid.

ESPARCETTE CLOVER. (Spanfoin or Sand Clover.) An excellent, but comparatively little known variety of special value for growing on light, dry, sandy or limestone soil. It is very deep rooted, and therefore withstands drought. It is a good fodder plant on account of its high feeding value. Can be cut twice a year and is exceedingly long lived. Sow with oats or barley at the rate of one bushel to the acre. If sown alone about two bushels of seed should be used per acre. Cover the seeds quite deeply.

Price, Nebraska Standard Grade, lb. 30c; 3 lbs. 85c, postpaid. By freight, not prepaid, 25 lbs. $3.50; bu. (45 lbs.) $6.85.

SAND LUCERNE. (Medicago Media.) Variety of Lucerne especially adapted for dry, sandy land, where it will yield heavy crops. It is very long lived, and will grow in all climates. Will furnish from one to three good cuttings a season, according to the fertility of soil.

Price, lb. 45c; 3 lbs. $1.25, postpaid. By freight, not prepaid, pk. $3; bu. $11.

White Clover

WE DO NOT PREPAY THE FREIGHT CHARGES ON FIELD SEED ORDERS OF $10.00 OR MORE. THIS APPLIES TO TREES AND PLANTS ONLY

GRASS SEEDS—(Continued)

PRICES SUBJECT TO CHANGE

ALSYKE OR SWEDISH CLOVER. The advantage which the Alsyke Clover has over Red Clover and other varieties are its hardiness and true perennial character. It adapts itself to a great variety of soils, growing on the edge of a stream and in swamp or low land, and also flourishes on dry and stubborn, stiff clay and upland soils, thus being capable of resisting the extremes of drought and wet alike. It is well liked by all stock, either green in the pasture or when cured for hay. Sow 6 to 9 lbs. per acre. Seed is scarce and somewhat higher in price.

Our **Nebraska Standard Grade Seed,** per lb. 40c; 3 lbs. $1.10 postpaid. Pk. $3.00; bu. $11.75.

JAPAN CLOVER. Well known in the South. Grows most anywhere and lasts a long time; on sands, gravels, or denuded clay hill tops, no other plant is so valuable for grazing. On medium good land up to three tons of hay per acre is no unusual yield. Will thrive in any soil and withstand the driest weather. Sow in spring. 15 to 20 pounds per acre, by itself, or in the fall with rye or winter oats.

Price, Nebraska Standard, lb. 45c; 3 lbs. $1.25, postpaid. By freight, bu. (25 lbs.) $7.50.

CRIMSON CLOVER. (German Mammoth or Giant Incarnate Clover.) In this state and north of here this clover is treated as an annual plant and sown in the spring. In the South any time from July to end of September. The only clover that yields a heavy and full crop the first season. The yield in fodder is immense, and after cutting, it at once commences to grow and continues until severe freezing weather. It grows about two feet high. Will grow on nearly all soils, and succeeds well on sandy soil. There is hardly a better crop than Crimson Clover for cutting green, it makes excellent feed for milch cows and all kinds of stock. It makes superior hay and is of great value as a fertilizer. Worn out soils can be cheaply reclaimed by growing this Clover. Sow in spring 12 to 15 lbs. per acre. Every farmer should sow 5 to 6 lbs. per acre with spring grain for fertilizing purposes. **Nebraska Standard Grade, Price,** lb. 30c; 3 lbs. 85c postpaid. By freight, not prepaid, pk. $2.50; bushel $9.00, sacks included.

CREEPING BENT GRASS. This early variety is especially valuable as a pasture grass, and best adapted for low and moist situations. It starts early and holds out very late in the autumn. Prefers deep, rich and moist soils, being very deep rooted, of quick, successive growth when cropped closely, and of dwarf habit. Sow 1 to 1½ bushels per acre. **Nebraska Standard Grade,** per lb. 40c; 3 lbs. $1.10, postpaid. By freight, not prepaid, bu. (14 lbs.) $3.75; 100 lbs. $25.00, sacks included.

Stratton, Colo., Mar. 13, 1914.

Want to let you know how our last year's order grew. All the garden seed did splendidly fine; every kernel came up fine; we had no irrigation whatever. We had fine melons and as sweet as sugar; also nice pickles, and I have nough seed of them to plant this year.
Respt., PETER PUETZ.

Crimson Clover

English Bluegrass

Esparcette Clover (Page 115)

TALL MEADOW OAT GRASS. Th earliest of all grasses, and one that ha naturalized itself all through the West ern states. It is the first grass to shov itself in the spring, and grows rapidl in good soil, showing a height of 4 fee by June. It will furnish two and thre cuttings per year and is invaluable fo early and late pasturage. The grass i without a doubt one of the most valu able grasses for either hay or pastur age. It seems to keep green both sum mer and winter, longer than any othe grass, and for this reason is also know as Evergreen Grass. Farmers in sec tions where Timothy does not succee will make no mistake by sowing thi grass liberally. We recommend a mix ture of about 10 lbs. each of Meadow Oa Grass, Bromus Inermis and Meado Fescue, to which clover seed may b added. Sow 20 to 25 lbs. per acre whe sown alone. **Nebraska Standard Grad** per lb. 35c; 3 lbs. 95c, postpaid. Bu. (1 lbs.) $3.00; 100 lbs. $17.40.

PERENNIAL RYE GRASS. (English Rye Grass.) A nutr tious, permanent grass for meadows and pastures, or for mix ing with other grasses for lawns. It is also well adapted fo permanent meadows and yields large quantities of very nutr tious hay. It makes a quicker, leafier growth than most othe grasses, succeeds in the shade as well as in the open, and ma be sown with good results in orchards or woodland pasture Sow our Nebraska Standard in spring and fall at the rate of 2 to 30 lbs. per acre.

Price, Nebraska Standard Grade, lb. 30c; 3 lbs. 85c postpai By freight, bu. (20 lbs.) $2.25; 100 lbs. $8.00, sacks included.

ITALIAN RYE GRASS. A quick growing annual grass. Wi grow on almost any soil, but thrives best on rich, moist lan where large crops can be produced. Valuable for hay and pa ture. It is well adapted for pastures on account of its ear growth in spring, and its quick and successive afte growt when closely cropped. For this reason it is very va able sow as a catch crop in clover fields where the clover as dri or winter killed. When mixed with Crimson Clover sd scw on these bare spots in spring, a full crop can be co nted from these fields. Grows 2 to 4 feet high. Sow 20 to 25 lbs. p acre. **Price, Nebraska Standard Grade,** lb. 25c; 3 lbs. 65c, pos paid. Bu. (14 lbs.) $1.75; 100 lbs. $8.25, sacks included.

MEADOW FESCUE, or English Blue Grass. Succeeds well almost all soils, from high, dry land to moist, standing the sum mer heat excellently. It is valuable as a pasture grass, bei one of the earliest in the spring and latest in the fall. It highly recommended as a large yielding, nutritious pasture a hay grass for all sections of the country as far south as Te nessee, and west into central Kansas. In central Kansas, particular, where timothy does not succeed, it is perhaps t best grass that could be grown. It may be sown either in t spring or in the fall. Sow 20 to 30 lbs. per acre.

Price, Nebraska Standard Grade, lb. 25c; 3 lbs. 70c postpa By freight, bu. (24 lbs.) $3.25; 100 lbs. $12.00, sacks included.

GRASS SEEDS—(Continued)

Orchard Grass

BERMUDA GRASS. For the Southern states particularly, this grass is best adapted, and of great value. It is the chief reliance there for pasture and hay, furnishing rich and green pasture during nine months of the year. On good land it will cut two to four tons of nice hay per acre. It grows wherever corn and cotton grow. It grows luxuriantly during the driest weather and will withstand the winters as far north as central Kansas. Sow in spring 5 lbs. per acre. **Price,** lb. $1.00 by mail, postpaid. 5 lbs. not prepaid, $4.25.

BROMUS INERMIS. (Hungarian Brome Grass.) This pre-eminent drought resisting grass stands at the head of all, and is destined to lead as the most satisfactory and valuable forage grass in all localities where arid soils demand a plant with ability to withstand drought. Stands intense cold equally as well. It will produce a big crop of hay on land that is too poor for clover or timothy. May be sown in Autumn with winter wheat or in early spring. In the Southern states sow in February or March, preparing the land as for other grasses. For hog pasture a mixture of Bromus Inermis and Alfalfa, where the latter succeeds well, is recommended by Prof. Ten Eyck, of Kansas State Agricultural Experiment Station, and he also suggests for large pastures for cattle a mixture of the following per acre: Bromus Inermis 10 lbs., Orchard Grass 6 lbs., Meadow Fescue 8 lbs., Red Clover 1 to 2 lbs. added to this mixture. For worn out pastures he advises to disc early in the spring, following with a harrow and sow Bromus Inermis on the land. Sow 20 to 30 lbs. per acre if sown alone. **Price, Nebraska Standard,** 1 lb. 40c; 3 lbs. $1.10, postpaid. By freight, bu. (14 lbs.) $3.00; 100 lbs. $16.00, sacks included.

FANCY KENTUCKY BLUE GRASS. Very valuable and very popular as a permanent pasture grass. The seed may be sown in early spring or fall or during the winter on a light fall or snow. Sow 20 to 30 lbs. per acre for pasture or 60 to 100 lbs. for lawn. Our seed is government tested, first class in every particular and contains no Canada Blue Grass. **Price, Nebraska Standard Grade,** lb. 30c; 3 lbs. 80c, postpaid; bu. (14 lbs.) $3.00; 100 lbs. $12.50.

TIMOTHY. Unsurpassed for hay and greatly liked by all stock. Best suited to moist, rich and loamy soils. Timothy hay always commands the highest market price. An excellent meadow can be made by sowing three pounds of clean Red Top and one or two pounds of Red Clover with about 8 pounds of Timothy per acre. Ten to 12 pounds are required when sown alone. Our seed is home grown, of extra nice quality, and free from weed seed. Please write for prices on larger quantities. Our **Nebraska Standard Grade,** per lb. 30c; 3 lbs. 80c postpaid. Pk. $1.10; bu. $4.00, not prepaid.

ORCHARD GRASS. A valuable grass for pasture or hay land, and on account of its earliness very valuable for permanent pastures. It furnishes the first green bite in spring, and the last in the fall, and is quick to recover from close cropping. It is well suited to shady places, such as orchards and groves. It is good practice to sow Red Clover with Orchard Grass, either for hay or pasture. According to chemical analysis Orchard Grass is equal, if not superior to timothy. Orchard Grass is of great value for early and late pasture and in the South can be pastured nearly the entire year. Does well in our Western states. It is also quite valuable for binding soils. Sow 20 to 30 pounds per acre. **Price, Nebraska Standard Grade,** per lb. 35c; 3 lbs. $1.00 postpaid. By freight, bu. (14 lbs.) $3.00; 100 lbs. $18.00.

Kentucky Blue Grass

SUDAN GRASS

This new grass was introduced into the U. S. in 1909. It has been thoroughly tested out by the U. S. Dept. of Agriculture, and they report that Sudan Grass will be of the greatest value in the Central states, and especially in parts of the states that are deficient in rainfall. Sudan Grass has all the good qualities of Johnson Grass, and yet it does not have the objectionable feature of Johnson Grass. That is, the root stalks by means of which Johnson Grass spreads out from year to year and becomes a pest. Sudan Grass is strictly an annual and dies each year like Millet and must be reseeded again each spring. It grows very tall, reaching a height of 6 to 8 feet. The stalks are very small and rarely thicker than a lead pencil. It can be cut two to four times a season and makes enormous yields. For feeding, the hay is equal to Timothy hay. Sow in spring as soon as ground has become warm and danger of frost is past. In drills, 2 to 6 lbs. per acre. Broadcast, 16 to 24 lbs. per acre. **Price,** 65c per lb. postpaid. Write for prices in larger quantities.

We do not prepay freight charges on orders for field seeds of $10.00 or more. Applies only to trees and plants.

Sudan Grass

Bromus Inermus (Page 117)

GRASS SEEDS—(Continued)

PRICES SUBJECT TO CHANGE

SHEEP'S FESCUE. This grass should form a large part of all mixtures intended for sheep grazing on high upland or dry pastures. In growth, it is short and dense, and of excellent nutritive qualities, deep rooted and not easily affected by drought. Sow 20 to 25 lbs. per acre. **Nebraska Standard Grade,** per lb. 40c; 3 lbs. $1.10, postpaid. By freight, per bu. (14 lbs.) $3.00; 100 lbs. $20.00, sacks included.

HARD FESCUE. Very valuable pasture grass for dry lands, doing well on sandy, shallow, silicious soils. Exceedingly hardy and permanent, withstanding extremes of cold, heat and drought. Makes a fine lawn grass. **Nebraska Standard Grade,** per lb. 40c; 3 lbs. $1.10 postpaid. By freight, bu. (14 lbs.) $3.25; 100 lbs. $21.00.

CRESTED DOGSTAIL. For permanent pastures; especially on high land and dry soils and hills. Is very hardy and but little affected by extreme drought or cold weather. Very hardy and grows 1 to 1½ feet high. Grows well in shady places and is valuable for lawns. Per lb. 50c; 3 lbs. $1.40 postpaid. By freight, bu. (14 lbs.) $4.50, sacks included.

WOOD MEADOW GRASS. It is invaluable for wood pastures and should be included in all mixtures, especially in shady places. Remarkable for its quick, successive growth. **Nebraska Standard Grade,** per lb. 75c; 3 lbs. $2.00, postpaid. By freight, bu. (14 lbs.) $7.50, sacks included.

RED TOP. Valuable for most soils. Good permanent grass. Stands our climate well, and is adapted to our pastures. Has succeeded on alkali soils when other grasses failed. Fancy clean or hulled seed, sow 8 to 10 lbs. per acre. **Our Nebraska Standard Grade,** per lb. 40c; 3 lbs. $1.10, postpaid. By freight, bu. (14 lbs.) $4.50; 100 lbs. $28.00, sacks included.

WATER FESCUE GRASS. A very valuable grass for improving low and wet meadows, marshes or sloughs. It succeeds best on moist and wet land which is often under water. It is not well adapted for sowing by itself or alone, but does better if sown together with other varieties adapted for low ground, when a large quantity of fine hay can be secured in this way. **Nebraska Standard Grade,** lb. 50c; 3 lbs. $1.40, postpaid. By freight, bu. (14 lbs.) $6.00, sacks included.

MEADOW FOXTAIL. One of the best permanent pasture grasses for moist rich lands and will stand occasional overflowing. Its chief characteristics are its extreme earliness and its faculty of standing the high summer heats without burning. The plant is similar to timothy in growth. Should be sown only in connection with other grasses, 8 to 10 lbs. to an acre. **Nebraska Standard Grade,** per lb. 45c; 3 lbs. $1.25, postpaid. By freight, per bu. (14 lbs.) $3.75.

BIRD SEEDS

IDEAL MIXED. Best grade of recleaned seed in this mixture. For singing canaries and small birds. lb. 10c; 3 lbs. 25c. Postage 10c extra per lb.

GOOD MIXED. For ordinary canaries, etc. Not recommended for singing canaries. lb. 7c; 3 lbs. 20c; 10 lbs. 55c. Postage 10c extra per pound.

SICILY CANARY. The best grade imported Sicily canary. lb. 10c; 3 lbs. 25c. Postage 10c extra per pound.

RUSSIAN HEMP. Rich, oily seed, liked by all birds. Should be fed sparingly. lb. 10c; 3 lbs. 25c. Postage 10c extra per pound.

GERMAN SUMMER RAPE. Best for canaries. Best imported seed only. lb. 10c; 3 lbs. 25c. Postage 10c extra per pound. Not prepaid, 10 lbs. 70c.

RUSSIAN SUNFLOWER. Best food for parrots, red birds, etc. Per lb. 15c; 3 lbs. 40c; 10 lbs. $1.00. Postage 10c extra per lb.

FRENCH WHITE MILLET. For canaries and other small birds. Per lb. 20c; 3 lbs. 50c. Postage 10c extra per pound.

BLUE POPPY OR MAW. Small seed liked by all small birds. Used for feeding finches. Large packet 10c; pound 40c postpaid.

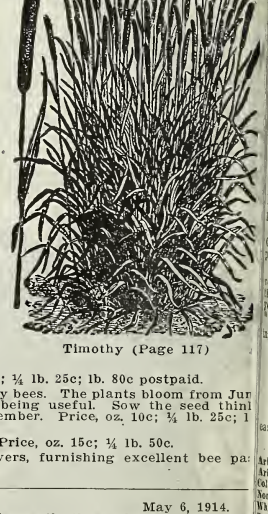
LETTUCE SEED. Liked by all canaries. ¼ lb. 15c; lb. 40c postpaid.

BIRD DAINTIES. Composed of various kinds of seed relished by all birds. Large packet, 10c postpaid.

BEST PLANTS FOR BEE CULTURE

BOKHARA OR BEE CLOVER. (Melilotus Alba.) Will grow on any soil and is invaluable for bee food. It is greatly relished by bees, and makes superior honey. Also of great value as a fertilizing crop. Sow 10 lbs. per acre. Price, lb. 50c; 3 lbs. $1.40 postpaid. By freight or express, 10 lbs. $3.00, not prepaid.

PHACELIA. (Tansy-leaved.) Best of all bee foods. Is much liked because of the mild honey it furnishes. Plants grow about 3 feet high and bloom very quickly. For this reason can be had in bloom through the entire season if sown 4 times during the summer. Requires 4 lbs. of seed per acre. Seed is small and should be covered but little. Price, ounce 10c; ¼ lb. 25c; lb. 80c postpaid.


Timothy (Page 117)

SIBERIAN DRAGONHEAD. This is one of the honey plants best liked by bees. The plants bloom from Jun till August, grow about 18 inches high and are very ornamental besides being useful. Sow the seed thinl where the plants are to remain in April. In bloom from July until September. Price, oz. 10c; ¼ lb. 25c; 1 70c postpaid.

BORAGE. Excellent bee plant of quick growth and easiest culture. Price, oz. 15c; ¼ lb. 50c.

CERINTHE OR WAX PLANT. Beautiful and easily grown annual flowers, furnishing excellent bee pa: ture. Price, oz. 15c; ¼ lb. 50c; lb. $1.50 postpaid.

May 6, 1914.

Will say that all plants I have got from you have all made a wonderful growth; the apples and pears I g from you a couple of years ago by mail are loaded with flowers now. The Compass-Cherry I got last ye by mail are also in bloom, now nearly white. Two trees of the four had a few cherries on last year, but th are late in ripening, which is the only objection Your cabbage plants seem to be more vigorous than plan from seeds from the Pacific coast. I got some mixtures of seeds from you about three years ago for h pasture and there is one variety that I would like to get to sow in for hay crop. It is simply wonderfu headed in June, about 5 feet tall, and ready to cut. I am not certain of its name, so I will send you so this summer. If you can tell me what it is, I will want some more of it. Thanking you for past favo

I am, Respt. yours,

Sunnyside Farm. ANDREW JOHNSON, Malin, Ore.

SPECIAL CLOVER GRASS MIXTURES

FOR PERMANENT PASTURES AND MEADOWS

By sowing these Grass Mixtures a much larger yield per acre can be obtained than if only one or two varieties are sown. A pasture containing a variety of grasses and clover is again as productive and can be pastured earlier and longer than if but one kind of grass or clover is used. We have carefully studied this subject and our mixtures are prepared to suit the requirements of the different soils and the purposes for which they are to be used. Write us, giving full particulars as to soils, etc. In making up these grass mixtures we use our Nebraska Standard grade seed only and our prices rule accordingly. Please bear this in mind when comparing prices.

Mixtures for Permanent Pastures.

20 lbs. per acre, or 10 lbs. for top seeding.

No. 1. For medium soils.
No. 2. For high sandy and dry soils.
No. 3. For high, dry land, heavy or clay.
No. 4. For low, wet ground.

Price, 20 lbs. $3.75; 50 lbs. $8.25; 100 lbs. $16.00.

Mixture for Sheep Pasture

For permanent pasture on high, dry soils. 25 lbs. per acre, or 15 lbs. for top seeding.

Price, 25 lbs. $5.00; 50 lbs. $9.00; 100 lbs. $16.00.

Mixtures for Permanent Meadows.

20 lbs. per acre, or 10 lbs. for top seeding.

No. 5. For medium soils.
No. 6. For high, light, and dry soils.
No. 7. For high, dry land, heavy or clay.
No. 8. For moist rich soil, or land subject to overflow.

Price, 20 lbs. $3.75; 50 lbs. $8.25; 100 lbs. $16.00

Mixture for Wood Pasture.

For shady woodland. 20 to 50 lbs. per acre.

Price, 20 lbs. $4.25; 50 lbs. $10.00; 100 lbs. $18.00.

SMALL QUANTITIES BY MAIL. For trial we send any of the above mixtures, 3 lbs. for $1.00 postpaid.

LAWN GRASS SEED

This is a mixture of the best varieties of grass seeds suited for growing together, and make a beautiful, soft, velvety lawn and keep green from early spring all through the hot, dry summer weather, until late in the fall. It comes up quickly, and after once up it soon spreads to cover the ground and is ready for the lawn mower in six to eight weeks. It is permanent, maintaining its beauty for many years. This mixture is made by ourselves from new crop, recleaned pure seeds of the best varieties. One quart will cover about 300 square feet. Price, qt. 30c; 4 qts. $1.00 postpaid. By freight or express, not prepaid, 15 lbs. $3.75; 50 lbs. $12.00, sacks included.

TREE SEEDS

FOR FULL DESCRIPTION SEE PAGES 27 TO 33

The seed comes quickest and best when planted in rich, sandy loam. Plants should be naturally or artificially sheltered from heavy east and northeast winds.

ASH. (White.) Fraxinus Americana. Soak the seed for 24 hours in luke warm water. Sow early in spring or fall and cover 2 inches. Pkt. 4c; ¼ lb. 25c; lb. 60c postpaid.

AILANTHUS. Tree of Heaven. Sow seed in spring when the ground has become warm and cover 2 inches. Ounce 8c; ¼ lb. 20c; lb. 60c postpaid.

BOX ELDER. Acer Negundo. Culture same as Ash. Pkt. 4c; ¼ lb. 25c; lb. 65c postpaid.

CATALPA SPECIOSA. Hardy Catalpa. Culture same as Ailanthus. Pkt. 4c; ¼ lb. 40c; lb. $1.25 postpaid.

LOCUST, BLACK OR YELLOW. Robinia Pseudacacia. Soak the seed in warm water for 24 hours before sowing. Cover 2 inches. Sow in spring. Pkt. 4c; ¼ lb. 20c; lb. 65c postpaid. 10 lbs. $4.75 not prepaid.

HONEY LOCUST. Gleditschia Triacanthos. Pour warm water (120 degrees) over the seed, stir well ten minutes and let seed remain in water 24 hours. Then sow and cover 3 inches. Seeding time—spring. Pkt. 4c; ¼ lb. 20c; lb. 65c postpaid. 10 lbs. $4.75 not prepaid.

THORNLESS HONEY LOCUST. Gleditschia Inermis. Culture same as above. Pkt. 4c; ¼ lb. 25c; lb. 75c postpaid. 10 lbs. $6.00 not prepaid.

MOUNTAIN ASH. Sorbus Aucuparia. Sow the seed very early in the spring and cover 2 inches. Sometimes the seed will not germinate until the second year. Oz. 8c; ¼ lb. 20c; pound 65c postpaid.

HACKBERRY. Celtis. Sow early in spring, covering about 2 inches. Pkt. 4c; ¼ lb. 25c; lb. 75c postpaid.

MULBERRY, RUSSIAN. Morus Nigra. Sow in spring when the ground has become warm, covering ½ inch. Pkt. 4c; oz. 20c; ¼ lb. 60c; lb. $2.00 postpaid.

NORWAY MAPLE. Acer Platanoides. Sow seed early in spring or fall, covering 2 inches. Pkt. 4c; ¼ lb. 25c; lb. 75c.

OSAGE ORANGE. (Hedge Plant.) Maclura Aurantiaca. Before planting soak the seed in water for 6 or 7 days, changing the water every day. Cover 3 inches. Seeding time—spring. Pkt. 4c; ¼ lb. 25c; lb. 75c postpaid.

PERSIMMONS. Diospyros. Sow seed in spring and cover two or three inches. Oz. 8c; ¼ lb. 25c; lb. 65c.

FRENCH CRAB APPLE. Best French Seed. Sow early in spring and cover 1½ to 2 inches. If sown later, seed must first be soaked in water for 3 or 4 days, changing the water every day. Pkt. 4c; oz. 15c; ¼ lb. 40c; lb. $1.25.

PEAR. Sow thickly in spring, in drills 18 inches apart. The soil should be deep and rich; a moist, rich loam is best. Pkt. 8c; oz. 20c; ¼ lb. 60c; lb. $2.25 postpaid.

MAHALEB CHERRY. Sow seed thickly and cover two inches. If sown in spring they will come up the following spring. Fall seeding will make plants the next year. Oz. 8c; ¼ lb. 20c; lb. 65c postpaid.

RUSSIAN OLIVE. Elaeagnus. Sow seed in spring, after soaking same in luke-warm water for several hours; cover about 2 inches. Pkt. 8c; ¼ lb. 25c; lb. 75c postpaid.

EVERGREEN OR CONIFER TREE SEEDS

FOR DESCRIPTION OF VARIETIES, SEE PAGES 34 AND 35

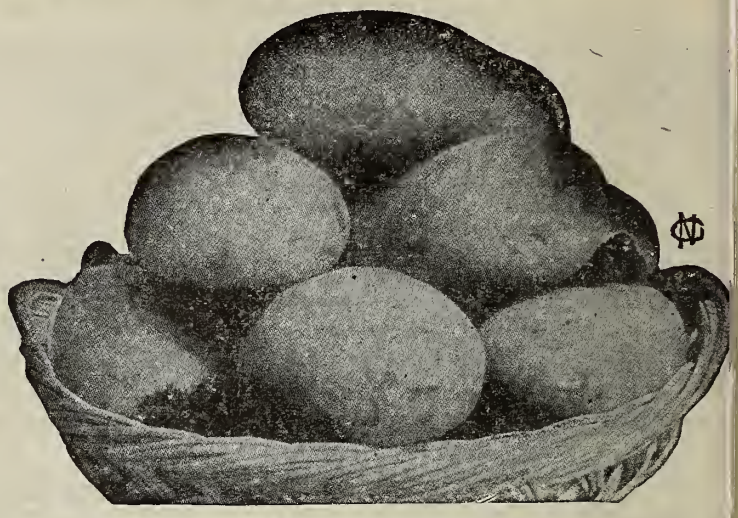
Seed should be sown early in spring in a rich, sandy loam. Shelter the plants from heavy east and northeast winds. Most varieties grow easily from seed. Prices include postage.

	Pkt.	Oz.	Lb.
Arbor Vitae. (Chinese.)	4c	20c	$2.25
Arbor Vitae. (American.)	8c	30c	3.00
Colorado Blue Spruce. Picea Pungens..	8c	30c	3.50
Norway Spruce. Picea Excelsa	4c	15c	1.20
White Spruce. Abies Alba	8c	30c	4.00
Balsam Fir. Abies Balsamea	4c	15c	1.75
Douglas Fir. Pinus Douglasii	4c	25c	3.00
Silver Fir. Abies Sibirica	4c	15c	1.50
Austrian Pine. Pinus Austriaca	4c	20c	2.00
Bull Pine. Pinus Ponderosa	4c	25c	2.50
Scotch Pine. Pinus Sylvestris	4c	20c	2.00
White Pine. Pinus Strobus	8c	25c	$2.75
Jack Pine. Pinus Divaricata	12c	40c	5.25
Red Cedar. Juniperus Virginiana	4c	10c	.75
Silver Cedar, Junip. Virg. Glauca	4c	20c	2.25
European Larch. Larix Europea	8c	25c	2.00
English Juniper. Juniperus Communis	4c	15c	.90
Hemlock Spruce. Tsuga Canadensis	8c	30c	3.75
Pinyon. (Nut Pine.) Pinus Parryana	4c	15c	1.75
White Fir. Abies Concolor	4c	20c	2.00
Engleman's Pine. Pinus Englemanii	8c	30c	4.00

DO NOT OVERLOOK OUR FREE BOOK OFFER ON PAGE 127

CHOICE NORTHERN SEED POTATOES

Our seed potatoes are guaranteed strictly Northern grown; we get them grown on contract by potato specialists in the extreme northern section of Red River valley, Minnesota. It is essential to change your seed potatoes every few years if you wish to secure the largest yield, combined with the best quality. The crop turned out very short last season in the Red River Potato District, owing to the severe and prolonged drought, therefore prices rule higher and supply is limited. Price by the pound includes postage, larger quantities to go at buyer's expense. Prices subject to market changes late in season, should our stock be exhausted.



Red River White Ohio

RED RIVER BLISS EXTRA EARLY TRIUMPH. This is considered the earliest of all potatoes and is the leading early potato of all Southern states. We are all familiar with it as sold at the grocery stores when the first NEW POTATOES are shipped in. It is at least a week earlier than the Early Rose and the Early Ohio. The tubers are of a very handsome appearance, being almost round and most uniform in shape and size, with slightly depressed eyes, which are mostly on the seed end. The skin is of a pretty light red color, while the flesh is of the purest white, both raw and when cooked. Its beautiful appearance, wonderful productiveness and superior table qualities make this potato a favorite for the early market, wherever introduced. It produces at least from 12 to 15 tubers per hill, all of marketable size. Our Red River grown Triumphs can not be excelled. Price, 3 lbs. 60c postpaid. By freight, not prepaid, peck 60c; bu. $1.75; 5 bu. $8.50, bags included. Per bbl. $5.15.

RED RIVER IRISH COBBLER. An excellent extra early variety, maturing good sized tubers 7 weeks from the time of planting. It has also the remarkable characteristic of producing very few, if any, small potatoes, all the tubers being of marketable size. The vines are short, upright growth, so that the hills may be only a short distance apart. Skin is clean and smooth, flesh is pure white, and of excellent quality, always cooking dry and mealy. The Irish Cobbler enjoys the distinction of being the only variety that is planted more extensively on Long Island (New York) than any other potato. Price, 3 lbs. 60c postpaid. By freight, not prepaid, pk. 60c; bu. $1.75; 5 bu. $8.50. Per bbl. $5.20.

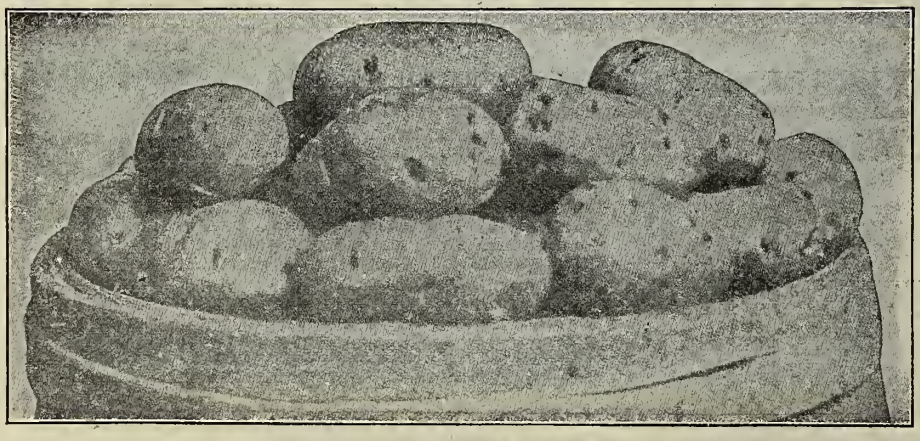
RED RIVER EXTRA EARLY OHIO. This is without doubt the most popular early potato in the country. We have more calls for it than for any other early. Everyone knows what it is and knows that it can be relied upon for an early market variety in almost every locality. They grow stronger and more vigorous, maturing the crop in shorter time and yielding much more than home seed, so that there is the utmost satisfaction in planting them. Potato growers in the South will have their crop ready for market from ten days to two weeks earlier, if our Red River Ohios are planted. Price, 3 lbs. 60c postpaid. By freight, pk. 50c; bu. $1.65; 5 bu. $8.40, bags included. Per bbl. $4.85.

RED RIVER WHITE EARLY OHIO. No potatoes have been introduced during recent years that deserve so much attention as the White Ohio. As the name indicates, they are identical in every way with the Red Early Ohio, the same form and type, but white in color, excepting the eyes, which are pink o red. It is a good yielder and a strong healthy grower and will not scab as easily as the old Early Ohio. A an early market potato the White Ohio is of the great est value, for it is the only early White Potato so fa introduced, that has any special merit. It is just a good in quality, will ripen as early and seems to yiel even better than the Red Ohio. Price, 3 lbs. 60c post paid. By freight, not prepaid, pk. 60c; bu. $1.90; bu. $9.00, bags included. Per bbl. $5.50.

RED RIVER RURAL NEW YORKER. Well know the country over, and very largely planted for a prof itable crop. "Dusty Rurals" always bring the to price in Chicago markets. When rurals first mad their appearance in 1889, an entirely distinct class o potatoes were introduced unknown up to that time The class is characterized by a long, rather spindlin vine, with dark colored stalks, dark green leaves an purple blossoms, tubers nearly round, flattened, wit very smooth, pure white skin, uniform in size, numer ous in hill, very attractive and of excellent flavo Price, 3 lbs. 60c postpaid. By freight, pk. 50c; bu $1.70; 5 bu. $7.50, sacks included. Bbl. $4.65.

HYBRIDIZED POTATO SEED. Potato seed fro the flower boll (the true seed). It is from such tha the choice new varieties of potatoes are originate The result is interesting, and often very profitable, a you are just as apt to obtain a choice new variety a an experienced potato specialist. Pkt. 10c; 3 for 25

"ACME" HAND POTATO PLANTER. This plante enables one man, going over the field but once, t plant two or more acres of potatoes in a day. An this almost as easily as he could walk the same dis tance in the same time. Price, $1.00 by express o freight, not prepaid.



Red River Extra Early Ohio

Park Ridge, Ill., 2-14-14.
If desiring to refer anyone for information in re gard to quality and services as rendered by you peo ple, you may refer them to me, as I can and wi gladly give them the information sought. Every thing I ever bought c you has given the best c satisfaction, both in qua ity and results. I ca safely say that of all th plants that came fro you, I have not lost on

Smolan, Kan., 2-10-1
I think every seed I g from you last year grev but we had no rain, s some did not come up ur til in October; all died, course; will try again. you would guarantee ra they will all grow. Resp
S. A. BRODINE.

Quinlin, Tex., Mar. 20, '1
I need not ask you fill this order quick possible, for you are t promptest house I ev dealt with. Yours,
MRS. ALTA RAY.

We do not prepay freig charges on field seeds.

SPRAYERS

We List Both, the Rochester and Brandt Sprayers. They are the best on the market.

BRANDT "PERFECTION" SPRAYER

Built on the best lines, of high grade material and with the idea of turning out a sprayer which has none of the faults and defects so common in many Knapsack sprayers heretofore on the market.

The tanks are made of heavier metal than has ever been used in sprayers of this kind, are lock seamed at the corners to convex heads of metal two gauges heavier than the sides, a single seam runs lengthwise of the tank. This seam is reinforced by rivets making the tank practically unbreakable. The pump is 1¾-inch seamless brass tubing with a brass valve, and is sealed into the top of the tank with heavy threads following the construction used in the best makes of fire extinguishers. The pump rod is 5/16-in. and is fitted with anhydrous leather and our special metal expanders.

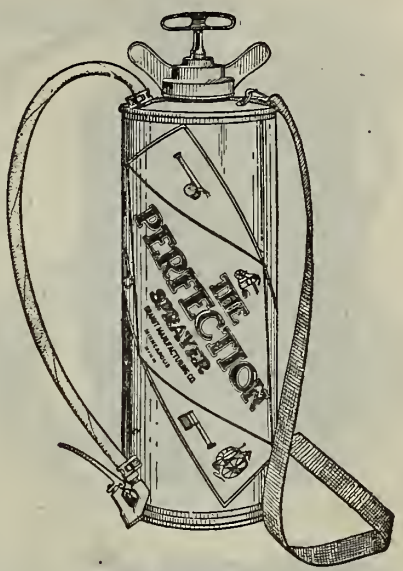
The hose is attached to the sprayer at an angle so that it will not kink and become cracked and broken. The shoulder strap is attached with snaps and can be quickly and easily removed. The hose is ⅜-inch 5-ply cloth inserted, equipped with our automatic shut-off nozzle.

This Sprayer will handle Whitewash, Water Paints, Bordeaux, etc.

For whitewash and all heavy mixtures it is necessary to use a "W. W." Cap in nozzle, which is furnished with sprayers.

These sprayers are made in galvanized steel or brass as ordered. Weight, 9 pounds empty. All sprayers tested to 60 pounds before leaving factory.

Galvanized Steel $5.00
All Brass 7.50



Brandt "Perfection" Sprayer

NO. 5A BRANDT "KING" BARREL SPRAY PUMP

Made for orchards where the trees are large and a great quantity of liquid is to be handled. These pumps are built and so arranged that they may be mounted in any barrel and can be adjusted to varying heights. They have extremely large air chambers which insure a uniform pressure at the nozzle, large cylinders which give great capacity, and removable ball valves which enables the user to keep pump in good working condition without taking it apart. These pumps have self-oiling plungers and are constructed so that the packing may be tightened without taking the plunger out of the cylinder. No leather or rubbers are used in the pumps, the packing is specially prepared and will withstand the action of spraying chemicals longer than any other material and can be replaced in a few minutes at a nominal cost. The pumps have following dimensions. No. 5 has 2-in. cylinder, 2½-in. air chamber and fastens to end of barrel. No. 5 and 6 have door castings to cover filling hole, which make it unnecessary to cut more than one hole in the barrel head. The head castings carry a pattern for cutting the opening in barrel. These pumps have the twin type mechanical agitator, made of hard wood, extra long, with adjustable stroke so that it can be used in any form of tank or barrel. The pumps are sold plain or with the following equipment and at prices shown.

We do not furnish barrels. Price is as follows:

No. 5A "King" Pump, with 15-ft. pressure hose, 8-ft. pipe, nozzle, hose clamps, etc. $14.25

This cut shows pump mounted on barrels ready for operation.

"IMPERIAL" SPRAY OUTFIT

This outfit is complete and ready for operation. Holds thirty-two gallons. Is mounted on two thirty-inch wheels with two-inch oval face, balanced with sufficient weight on the handles to hold it steady on rough surfaces. Is fitted with our No. 5 "King" pump. The pump is held in place by two strong castings and may be adjusted up or down to suit the height of the operator. A mechanical agitator keeps the liquid well mixed. All valves and working parts are brass and the outfit has the following equipment:

Ten-foot 5-ply pressure hose; one brass shut-off cock; 8-foot iron pipe extension; one single "IDEAL" Nozzle. Shipping weight about 130 lbs. Price, not prepaid, $20.00.

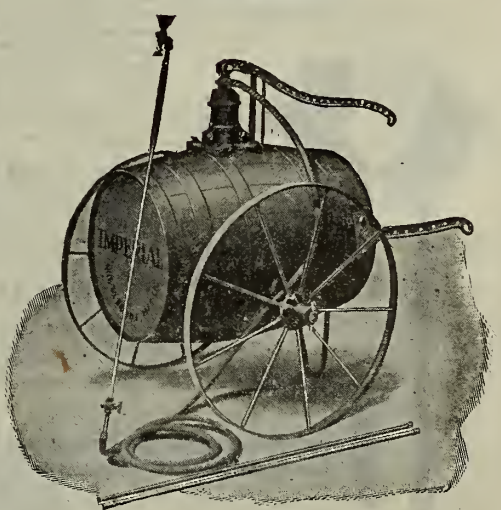
SCOLLEY PLANT SPRAYER

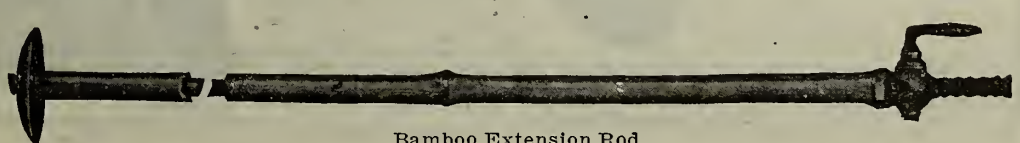
A necessary article for everyone who keeps house plants. With it you can, without injury to the plants or soaking the earth, quickly and effectively sprinkle them. See illustration page 122. Large size $1.00; postpaid $1.10. Medium size 75c; postpaid 85c.

BRASS LINED BAMBOO POLES

Bamboo brass lined spray poles, 8, 10, or 12 feet long. The tube is all in one piece, locked to the pole at both ends and will not turn inside of the bamboo. Is fitted with drip shield and is furnished either with or without stop cock.

Price complete with cock, 8 ft. $3.50
Price complete with cock, 10 ft. 3.75
Price complete with cock, 12 ft. 4.00


"Imperial" Spray Outfit


Bamboo Extension Rod

Rochester Barrel Sprayer

ROCHESTER BARREL SPRAYER

This Barrel Sprayer is intended for orchard or field spraying, and can be mounted on either the end or side of an ordinary barrel, or on a tank.

When desired, two lengths of hose and two or four nozzles can be used by attaching a large Y to the screw spout of pump, so enabling you to spray from both sides of the wagon at the same time.

This pump has large air chamber and possesses great power and force. The churn dash agitator attached to piston thoroughly mixes the solution at every stroke of the pump handle.

We do not furnish barrels, as suitable ones on which pump is easily mounted can be secured in all localities.

At prices quoted below, each pump is fitted with five feet of hose, five feet of extension pipe and one "Kant-Klog" nozzle, making a splendid outfit, fully guaranteed, at a very low cost.

No. 8 with all brass plunger, brass valve and valve seat.....$11.50

When desired we furnish a three-quarter inch shut-off cock for $1.

Large Y for attaching 2 hose to spout 80c; additional hose 14c per foot.

ROCHESTER "KANT-KLOG" SPRAYER

On the "KANT-KLOG" nozzle described below, the item of labor alone is **three times what the ordinary nozzle can be furnished for.** Hose is high grade—supported by coiled spring to prevent breaking. couplings solid brass with standard cut threads. Air pump of heavy brass tubing two inches in diameter. The Sprayer body is made of heavy polished brass or galvanized steel as desired. Both top and bottom are dome shaped, joined to body under heavy pressure, **making a complete double seam.** When completed this body is thoroughly tested at double the pressure ordinarily used, the result being that **not one in a thousand** give any of the troubles common with other constructions. A few seconds working of the air pump charges the sprayer with compressed air, a powerful and elastic force, which discharges the liquid in the form of either fine sprays or solid streams as desired. Each sprayer is fitted without extra charge with "KANT-KLOG" nozzle for making two round and one flat sprays, two solid streams, thumb pressure Spring Hose-Cock, carrier strap and safety valve.

Price, with Polished Brass Body.....$6.50

"Kant-Klog" Style G

ROCHESTER "KANT-KLOG" NOZZLE

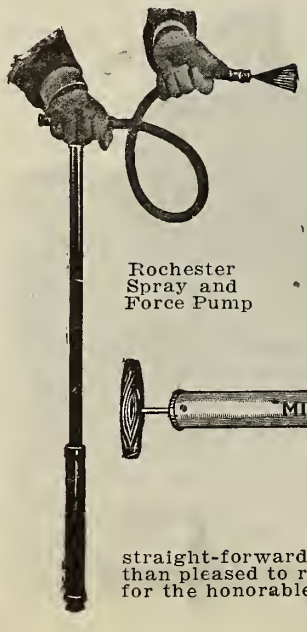
Throws Nine Different Sizes of Round Spray, Flat Spray and Solid Streams.

Three of each and all of different size, volume and fineness. A greater variety of sizes and shapes than any nozzle ever made. Satisfies the most exacting customer. Another most important feature is the device for removing any obstructions resulting from not having properly mixed or strained solution. This is accomplished by simply pressing the end of the nozzle against a limb, the cleaning pin and current doing the work without loss of time and patience. Notice there are no projecting parts to catch on limbs of trees. When spraying field crops, the cleaning is done by pressing the rim of nozzle with the thumb. Made of heavy polished brass with ¼-inch cut threads. Price, $1.00

ROCHESTER NEW SPRAY AND FORCE PUMP

We do away entirely with the objectionable foot-rest, clamps, leather suction packing, etc., etc. This Pump requires **no fastening of any kind,** holds itself down and works anywhere and everywhere. All the operator need do is to press the plunger down. **It rises of itself,** the upward stroke being made by a brass spring forcing the cylinders apart. The **all-brass** suction working within a **brass cylinder** with all **Brass Valves,** does away entirely with all leather rubber, or other packing. It is practically impossible for any part to get out of order. Everything except handle and hose is **Solid Brass.** Is the **Easiest Working** and will do more different kinds of work than any pump ever made. Will pump from a pail, barrel, tank, spring or creek. Without fastenings of any kind it stands firmly wherever placed. Weighs only 4 lbs. and is **Ready for Instant Use Everywhere. Farmers with an ordinary amount of spraying put a barrel on their wagons, set this Pump in and spray their trees as effectively as their neighbor who uses an outfit weighing and costing five times as much.** Will throw two solid continuous streams, one flat spray and one fine round spray. Has automatic mixer to keep solution stirred; pleases everybody and will last a lifetime.

Price of Pump complete, as shown in cut.....$3.50



Rochester Spray and Force Pump

BRANDT DAISY DOUBLE ACTION SPRAYER

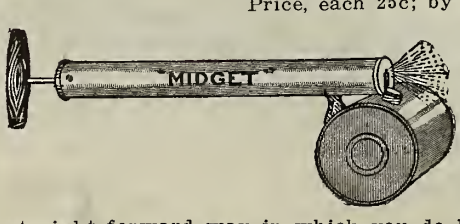
Works both ways of stroke, giving twice the results with half the work. Will not turn over on its side and allow the liquid to run out. Made in brass. Holds one quart.

Price, $1.00 each; by paid parcel post $1.15.

BRANDT MIDGET SPRAYER

Capacity one pint. Tank 3 inches in diameter by 3 inches in length. Made of heavy tin. Nice to spray house flowers with.

Price, each 25c; by paid parcel post, each 35c.



Scolley Sprayer (p. 121)

Pembine, Wis., 2-17-14.

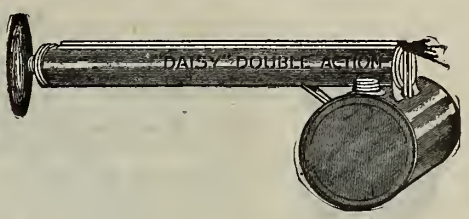
The Cherry - Plum does remarkably well here and we are highly pleased with same. I have also had excellent results from both red and black raspberries obtained of you a few years ago. I sincerely appreciate the frank, straight-forward way in which you do business, and am more than pleased to recommend your goods to others. Thanking you for the honorable way you have treated us in the past,

I am, respectfully,

C. F. KENNISON.

"Kant-Klog" Nozzle, Sectional View

SPRAYING MATERIAL



Insecticides cannot be sent by mail. The prices quoted are net. Purchaser must pay all express or freight charges. For prices on larger quantities than quoted, write. Any information desired in relation to insecticides or fungicides will be given as far as data at hand will permit.

FRENCH BORDEAUX MIXTURE

In Fine Pulp (or Liquid) Form

The finest and best article of its kind made in America. Ready for immediate use. Works freely, without clogging, in any spraying machine. To be diluted 25 to 50 times with water and sprayed. This article is so well made that it covers a very large leaf surface, the even distribution in minute mass is what does the protective work. It sticks effectively. Price 1 quart can 45c; 1 gallon can $1.20, not prepaid.

HAMMOND'S SLUG SHOT

A combination of the most potent insecticides and soluble plant foods. It destroys all insects injurious to house or garden plants, shrubs, trees, vines, potatoes, melons, cabbage, currants and vegetables and fruits of all kinds. This preparation, though poisonous to insects, does not injure the foliage.

Not prepaid, 5 lbs. 35c; 10 lbs. 60c. Cannot be sent by mail.

We also have Slug Shot in 1-lb. cartons each with perforated top, ready for use. Price, 1-lb. cartons 15c each.

TOBACCO DUST

Destroys rose bugs, lice, cut worms, vine bugs, tomato worms, currant worms, cabbage lice and worms and parasites of all descriptions. Should be applied when foliage is wet. Will not burn or injure the plants. Price, lb. 10c; 5 lbs. 35c; 8c per lb. extra if sent by mail. Not prepaid, 10 lbs. 60c; 100 lbs. $5.50.

SULPHO TOBACCO SOAP

It quickly exterminates all insect life on plants and flowers in and out of doors. Destroys squash, melon and potato bugs. Makes a good wash for dogs and all animals. Prevents poultry lice. 3 oz. cake (for 1½ gallons) 10c, or postpaid 15c; 8 oz. cake (for 4 gallons) 20c, or 28c postpaid.

WALKER'S EXCELSIOR PLANT FOOD

A soluble food for house plants, containing all the elements necessary to nourish and make beautiful flowers and plants, and prolongs the period of blooming. Large box sufficient for 25 plants for one year 25c; postpaid 40c. Small package 15c; postpaid 25c.

KNOX LICE EXPELLING NEST EGGS

A scientific triumph! Lice killer and nest egg combined in one. Effective, lasting, not expensive, superior to others in form, size and appearance. Just the thing for the laying hens. Price, each 8c; 85c per dozen. Postpaid 12c each.

BUG DEATH

This preparation we highly recommend. It is sure death to the potato bug and all other vegetable pests, and besides it acts as a fertilizer. We have many testimonials at hand from large vegetable growers, and we feel much confidence in offering it with our endorsement to any of our customers who want a quick-acting non-poisonous bug killer. It can be used on all vegetable and fruit crops with excellent results. 1-lb. pkg., 15c; 3-lb. pkg., 35c; 5-lb. pkg., 50c.

ELASTIC PRUNING PAINT

Saves girdled trees, heals cuts and wounds, prevents decay, stops bleeding in pruning and kills the borer. A positive and effectual remedy for the treatment of fruit and shade trees.

It is a positive and healthy stimulant to the growth of wood and bark. It is not poisonous, but no insect can abide it. It is applied like a varnish. **After application it never cracks and is wholly impervious to air or water, and will keep for years without change or impairment. Its qualities are known and proved.**

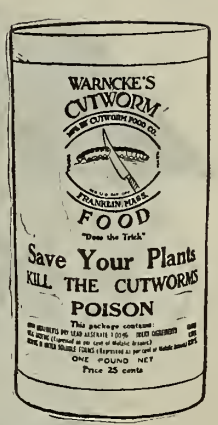
A tree may be almost completely girdled, and if, within a short time thereafter, the girdled surface be covered with Elastic Pruning Paint, the tree will suffer no substantial loss of growth, a new bark will form, by degrees, upon the girdled surface.

It is an effectual enemy of insects and vermin that attack trees and shrubs in the body, especially the "borer." This troublesome insect deposits its eggs in the bark near the ground in June; after being hatched, the larva saws its way into the tree, perforating it in all directions, sometimes completely girdling it. Elastic Pruning Paint is the only remedy that will absolutely destroy them in their burrow, as well as prevent a deposit of eggs, if applied for that purpose.

It is the result of long experiment. Apply this Paint same as house paint, using a stub or half worn paint brush and wood paddle. In cold weather, warm it up good. I can recommend this paint. It is put up in one-gallon cans.

Price, per can, $1.35. Should be sent by express.

WARNCKE'S CUTWORM FOOD



This food is a dry, bulky powder, so that one pound is enough for 75 hills or plants. Put a teaspoonful on the ground around the plant. When the worm comes to the surface to feed, it is attracted to the food in preference to any plant, and one feed finishes him. We have never had a complaint that it did not do the work, while many have written that adjoining unprotected plants suffered 50 to 100 per cent loss. **Price,** 1-lb. cans, 25c each.

TREE PROTECTORS

Our Improved Tree Protectors are made from wood veneer, 10 inches wide by 20 inches long. The lower or ground end is saturated with a vermin or worm-proof mixture. This not only preserves the wood, but it is a perfect proof against the borers or worms or the deposits of insect eggs.

Their advantages are: The prevention of injury from rabbits and mice; from borers, insect pests, hot blistering sun and winter blasts; from injury against the whiffle-tree when cultivating the orchard; against sun scalds. Trees thus protected will not become hide bound; it will prevent the bark from bursting open on young trees in extreme cold weather. See illustration on next page. We will furnish this protector for 2c each, $1.50 per 100.

WARNCKE'S TREE PAINT

Tree Protectors
(See page 123)

I hope to interest my customers who are bothered with rabbits gnawing their fruit trees, with the tree borer or pear blight, in **Warncke's Tree Paint.** Here is what the manufacturers claim for their paint:

RABBITS AND MICE. "One application of our paint protects trees from the attacks of Rabbits and Mice for three years. Some of our customers who did not believe the three-year claim, now say the protection is safe for five years. None who have used it dispute the three-year claim. The bark absorbs all of the paint. None evaporates or washes off. Even a goat or any domestic animal will not bite the painted bark."

PEAR AND APPLE BLIGHT. "Pear and Apple twig blight, canker blotches, etc., are caused by bacteria in the sap. Spraying will not control the disease. The remedy must be applied at the seat of the trouble. **The sap must be treated.** Warncke's Tree Paint penetrates the bark and taints the sap. Bacteria cannot live in the taint we put into the sap. Trees that have this disease are cured by painting the bodies and lower parts of the large limbs and **canker blotches.** Old trees which have rough, thick bark, require at least two paintings. Young trees that have smooth bark are usually cured by one painting. If trees are infested by San Jose scale, or any kind of lice, the paint, where applied, kills them by contact. All those **parasites** are sap suckers. They will not feed on tainted sap. Or, if they do, it poisons them. They are either starved or poisoned. We know the tree is protected, which is good enough for us. One of the principal ingredients in Warncke's Tree Paint is pine tar; from which we eliminate the astringent properties that would injure trees (and yet it is not deodorized). To this we add oil, gum and acid in essential proportions or quantities. Our United States and Canadian patents protect both the paint as a product, and the process by which it is made."

BORERS. "The moths that lay the borers' eggs will not deposit eggs on painted trees any more than they will on pine trees. This is true concerning all kinds of fruit tree borers. All parties who have used our paint admit this, without a single exception. The wingless female canker worm will not go up a painted tree to lay her eggs on the foliage and twigs. She shuns a painted tree as she does a pine tree. Our painted trees are absolutely free from canker worms, and from ants. Please remember: Trees that are painted to protect them from any one of the troubles named above are protected from **all of them.** Our paint is, and always has been sold on the guarantee of satisfaction or the money refunded."

I will give my customers the same guarantee as the manufacturers: "Satisfaction or the money returned," if the paint is applied according to directions.

Price. One quart can 65c; half gallon $1.10; gallon $1.90; 10 gallons or more, $1.75 per gallon. Not prepaid.

"Dear Sir: Find our check herein for the amount of the last shipment of your tree paint, made to us. We have been using your tree paint for the past five years, and wherever it has been properly used, it has been effective in preventing injury to the trees from rabbits or other pests, as well as borers. It has been of distinct advantage to the trees also in keeping the bark in a healthy and growing condition."

THE CARROLL ORCHARD CO.,
Wm. C. Carroll, President.
Lebanon, Mo.

We tested your paint on an old, run-down cherry orchard three years ago, and have never failed to have a crop of cherries. It killed the borers and the fruit is fine and not wormy, and the trees are in fine condition. BYRON G. LATTUM, Willard, Mo.

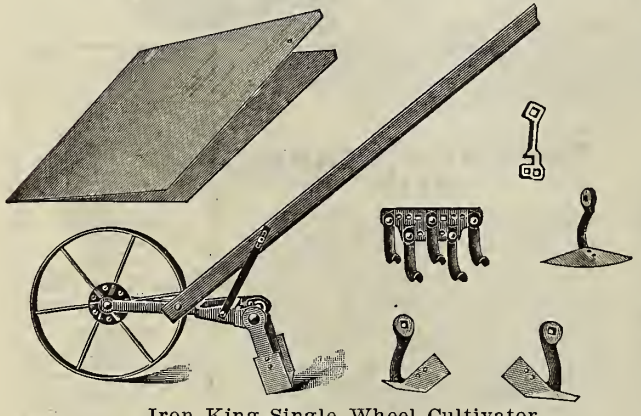
Mr. M. L. Atkinson, president of the State Bank, Chadwick, Mo., wrote March 26, 1914: "Please send me at once, by freight, $25.00 worth of your tree paint. Check enclosed." Mr. Atkinson has used our paint for five years on his pear orchard of 2,500 trees. They were blighting badly when he commenced using it. He has had no blight since.

Mr. Otto Lochmann, Wallingford, Pa., is importer and sales agent for a unique collection of trained fruit trees. He is a specialist in landscape gardening, and in tree surgery. August 10th he wrote as follows: "Dear Sir: I used a sample of one gallon of your tree paint, and must say, so far, it does all you claim for it. It has saved some of my most valuable trees, both apple and pears, valued at about $100.00 each, from destruction from the blight. Last year they were badly affected, but this year they seem to be almost free, and now I am going to recommend it to other people."

Mr. Bert Lockwood, of Port Clinton, Ohio, under date of April 7, 1914, when ordering paint, closed his letter with the following: "I find that your paint prevents the blight in my crab apple trees." This is the third year Mr. Lockwood has used our tree paint. It cured the blight in his pear trees when other treatments failed.

CULTIVATORS AND SEED DRILLS

"Iron King" Cultivators and Seed Drills have been manufactured for 25 years and are known for their durability, instant adjustment and ease in operation. They are real tools, not playthings, and are largely used by truck gardeners and farmers that will only use the best tools. We prefer them in our nurseries and farms to any other kind.

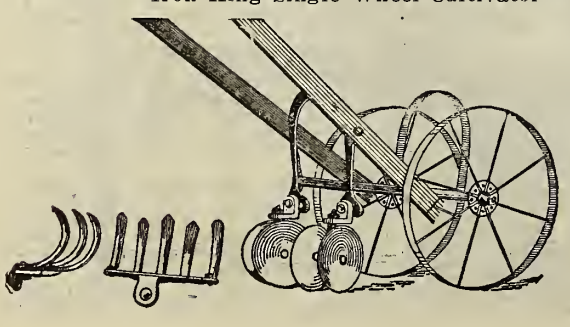


Iron King Single Wheel Cultivator

It is a light, strong tool that runs very easily and will do a great variety of work. The wheel can be set on one side so the row can be straddled until the plants are six inches high, or two wheels can be used on it. Any of the tools that fit the double wheel cultivator can be used on this. We make a square scuffle hoe especially for this, which is one of the most useful tools we make. Many gardeners say that if they could have only one tool this would be the one they would take. With our knuckle joint it can be set at any angle to go deep or do shallow work. All attachments on cut.

PRICE OF SINGLE WHEEL CULTIVATOR

Single Wheel Cultivator (with hoes or scuffle hoe)	$3.00
One Gang of five teeth (extra)	.75
One Diamond Pointed Hoe (extra)	.50
Shield or Hood to cover wheel	1.00
Scuffle Hoe	1.00

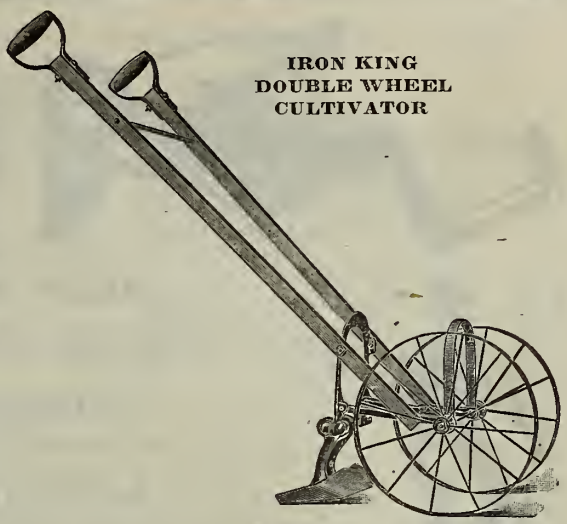


IRON KING DOUBLE WHEEL CULTIVATOR WITH DOUBLE DISC ATTACHMENT

Our double disc **attachment** is the greatest tool yet made for new or rooty ground. They can be set at any angle, and will throw the soil away from plants or can be reversed and thrown toward the plants. Try them once and you will never be without.

Set of Double Discs with knuckle joints.....$1.10

IRON KING DOUBLE WHEEL CULTIVATOR



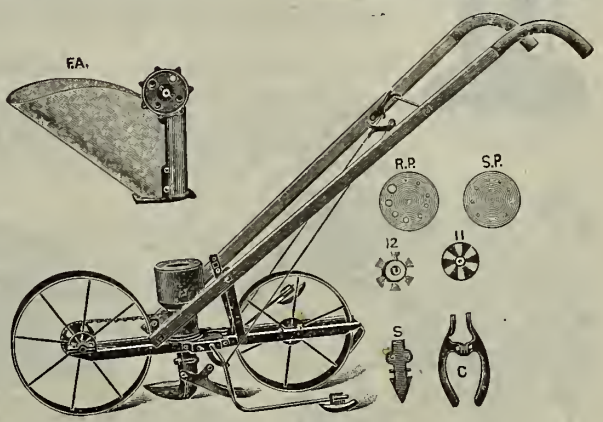
IRON KING DOUBLE WHEEL CULTIVATOR

This is the latest and most improved cultivator made. We have in this all of the good points that are in other good makes, and many good ones that are not in other makes. The wheels are sixteen inches in diameter, with a one-inch tire. The arches are steel and malleable iron, making it very strong and as light as is desirable. The arches are sixteen inches high so that the plants can be worked with this until they are very high. The tools are all fastened with knuckle joint, so that they can be set at any angle, making the most complete adjustment possible. It can be changed into a single wheel cultivator or the wheels can be set on the inside of the arch so they will be only about five inches apart. An appliance which has proven very satisfactory on our Single Wheel Cultivator, is a guard for the protection of plants. This is a "V" shaped attachment, fitting the wheel closely and warding off from the spokes, any long branches that may be drooping in the way of the machine.

PRICE OF DOUBLE WHEEL CULTIVATOR

Double Wheel Cultivator with Hoes only	$3.50
Set Double Hoes	.80
Two gangs of five teeth each	1.00
Set of Double Discs (with knuckle joint)	1.00
Diamond Pointed Hoes	1.00
Onion Lifter	1.25
Wire Weeder (four feet long)	2.00

STEEL FRAME DRILL



Steel Frame Drill

The Iron King Seed Drill is constructed of steel throughout. This means that it is indestructible, and will wear an ordinary lifetime. The V shaped shoe which originated with us, makes it possible to sow all seed in an exact line, and at a uniform depth. An even stand of plants is therefore assured, which means less work and less expense in cultivation of crop. The Iron King has a 13-inch rear wheel with a 2½-inch tire, and is kept clean by a scraper as illustration shows. By means of this large wheel, the drill can be easily turned around and the seed ordinarily wasted at the end of rows is saved. The chain can be tightened by merely reversing the boxes on the drive wheel. With each drill are two agitators, one our regular No. 11 and the other is a brush agitator which prevents any damage to the most delicate seed. The hopper may be easily removed by pushing the eccentric button that holds it to one side. For onions, we furnish a special seed plate, which sows from three pounds to eight pounds per acre, increasing about one-half pound per hole. For onion seed for sets, we make an attachment that takes the place of regular shoe and sows a wide row. The Iron King will sow any seed from tobacco seed to field corn. Your likelihood of a big crop is strengthened by using our fertilizer attachment. These attachments are built for sowing commercial fertilizer from 400 to 800 pounds per acre. To put fertilizer attachment on, remove seed hopper and place fertilizer attachment in its stead.

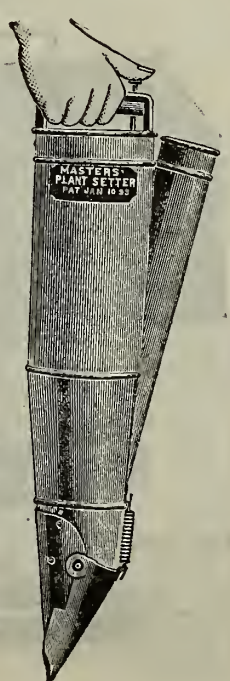
DIRECTIONS FOR USING THE REGULAR SEED PLATE. No. 1 and 2-hole sow turnip, cabbage and all small seed. No. 3 sows 3 lbs. of onion seed per acre. No. 4 sows 4 lbs. onion seed per acre. Nos. 5 to 9 are for larger seed.

DIRECTIONS FOR SPECIAL ONION SEED PLATE. No. 1 sows 3 lbs. per acre and they increase about ½ lb. per hole.

PRICES OF THE DRILLS AND ATTACHMENTS ARE AS FOLLOWS:

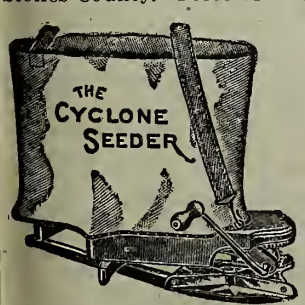
Steel Frame Plain Drill	$8.00
Fertilizer Attachment (extra)	2.25
Set Sowing Attachment (extra)	1.50

MASTERS PLANT SETTER



In operation the plant roots are put down to proper depth below the surface where the ground is cool and damp. You never have to wait for a shower; plants may be safely set, regardless of weather. Every farmer, truck grower and gardener should have one or more. Any man with very little practice can set 12,000 plants each day. One man will set, water and if desired fertilize, more plants than three men can set by hand—and every plant is securely rooted by absorption, nature's way, so that it has a chance to grow. Two barrels of water with one of these Setters, will insure a perfect stand of plants on one acre, **rain or no rain.** The Setter is durably constructed, the invention of a practical man, sold on honor—your satisfaction guaranteed Price is reasonable. There is **no stooping** when using. Sets all kinds of plants, such as Cabbage, Tobacco, Tomato, Cauliflower, Strawberries, Sweet Potatoes, Sugar Beets, etc., and the plants are set in water and covered at one operation. **Price,** each $4.50.

Could I not replace, I would not exchange my Plant Setter for the best mule team in Stokes County. Price of mules ranging from $100.00 to $350.00 each this August 10, 1911.
J. WALTER KIGER, Germanton, N. C.



(See description page 126)

4-5-14. Beloit, Kan.
Enclosed please find $4.50 for 6 Renken Mole Traps. Please send them immediately, as I need them badly. The one I bought from you has never failed me yet. They are "sure catch." My rose bushes and cherry trees came to hand in good shape and were fine. Yours truly.
W. L. RECORD.

Titonka, Iowa, 4-5-14.
I have tried your Blatchford's Calf Meal and find it very good. Yours Respt. HENRY L. STECHER.

Oakley, Ill., 4-11-14.
Received shipment of trees for Order No. 16534. Trees were on the road fifteen days, most are in fairly good condition, and a few in excellent order. I am well pleased with the shipment as a whole. D. C. BUCKINGHAM.

Excelsior Hand Weeder

CYCLONE BROADCAST HAND SEEDER

Warranted to give satisfaction. The Cyclone has a national reputation as a high-grade Seed Sower. It is built, not for cheapness, but for durability and accurate work. It weighs less than 4 lbs., yet is strong and durable, and so simple that a boy can operate it. Just the thing for sowing all kinds of clover, alfalfa and grass seed, millet, rape and even larger grains, also fertilizer. (See illustration, page 125.) Price reduced, $1.50, not prepaid.

See Our Free Book Offer on Page 127

Garden Trowel

GARDEN TROWELS

An indispensible tool to everyone who has a vegetable or flower garden to look after. 5-inch trowels, 10c each. Extra strong 6-inch trowels 20c each. Postage 8c extra for each trowel.

Acme Potato Planter

EXCELSIOR WEEDER

Can be used to great advantage in any garden. Price 10c each. Postpaid, 20c.

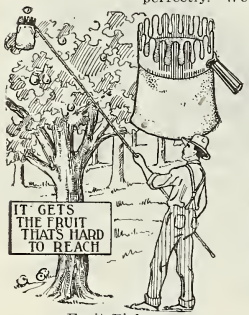
Lang's Hand Weeder

LANG'S HAND WEEDER

This is the best hand weeder for all purposes. Each 25c; 6 for $1.25. Postpaid, 30c each.

ACME POTATO PLANTER

This planter enables one man going over the field but once, to plant two or more acres in a day. And this almost as easily as he could walk the same distance in the same time. It makes the holes, drops and covers at the same time. It is important in planting that they be dropped in most soil and covered before the soil dries out. This the Acme planter does perfectly. Weighs 2½ lbs. Price, $1.00 by freight or express, not prepaid.



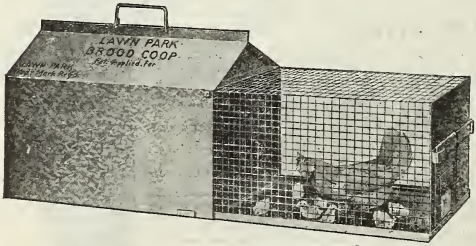
Fruit Picker

FRUIT PICKER

The superiority of this fruit picker can be seen at a glance. Picking can be done from any angle by a gentle push or pull. Bag is 8 inches deep and 6 inches in diameter. Circle and ferrule are made of 16-gauge steel, strong and durable. Its price is so low that even those who have but little fruit to gather can well afford to use it. Owners of large orchards will greatly increase the efficiency of their help by supplying each person with one of these pickers. Price, complete, as shown in cut, each, 75c by paid parcel post.

THE "LAWN PARK" COOP

This is a Parking Coop, made so as to telescope (see cut). It gives double the ranging space when fully extended and gives the chicks the natural condition they need for healthy, vigorous growth, namely, sunshine, fresh air and grass. It absolutely protects from rats, cats, dogs, hawks and other enemies, also from dampness and vermin. It is sanitary and easily cleaned. In hot weather it is as cool as any place outdoors. If weather is cold or stormy or too damp, push the park in and the brood and hen are securely sheltered. The "Lawn Park" Coop makes an ideal place for setting a hen. Here, with park extended, she may have small range and access to food and water, and not be disturbed. Also excellent to break up the broody hen. Size, closed, 18x24 inches, with park extended, 18x48 inches. **Price**, $2.50 each, not prepaid.



This cut shows Park extended

THE RENKEN SURE CATCH GOPHER TRAP

The trap is easy to set, all you have to do is to open the gopher hole to the main runway (no digging or covering up the trap) put the trap half length into the hole, then set the trap as shown in cut; trap set, the mouth of the trap is a little larger than the ordinary gopher hole, but if the ground is not too hard, the trap is easily set. If, however, the ground is very hard and dry, enlarge the hole a little. One trap is sufficient to catch all the gophers on an ordinary sized farm, but for two reasons you ought to have two or more traps, first if your meadow is any distance from your home it saves you time walking to and from setting traps; and, second, often when you open the gopher hole you get to the main runway, then you have two holes, and you don't know which hole the gopher will set in, to close first, but if you have two traps you can put one in each hole and be sure of getting the gopher. **Price**, each 85c, or two for $1.50 by paid parcel post.

Renken Sure Catch Gopher Trap

Cortland, Nebr., 4-20-14.

I received the seeds two days ago, in good shape, all O. K. Am well pleased Please find enclosed check for same. We will wait for the package of Fillbasket peas. We thank you very much for the promptness with which you handled our seed order. Yours very truly.

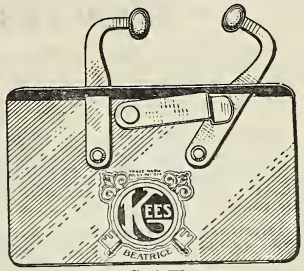
C. P. JONES.

La Porte, Ind., 4-6-1914.

The Spring of 1911 I set one of the Mayflower peach trees out, July 22, 1913, I picked ripe peaches, which were certainly pretty, as well as good and sweet, when peaches shipped here were selling 40c a dozen Respt. ORA G. KEENE.

KEES CALF WEANERS

Weaners that fasten with split keys or buckles are hard to put on unless the calf holds very still, which it very seldom does. With this one all you have to do is to open it up and close it on the calf's nostrils. One arm is riveted solid to the plate. The other can be turned back to open. A small brass spring holds this arm in place. It's light—it won't catch on things—the balls are perfectly smooth—there's nothing about it to injure the calf's nose. Won't break, being made entirely of stamped steel, galvanized.



Kees Calf Weaner

MADE IN TWO SIZES

Price, small, size of plate 3 inches by 4¾ inches, 20c each, by paid parcel post. Large, size of plate, 3¾ inches by 5 inches, 25c each, by paid parcel post.

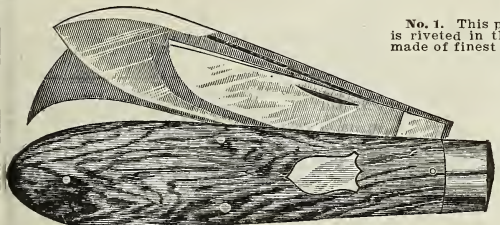
PRUNING SHEARS

These shears are all made by one of the best manufacturing establishments, they are well made and of uniform quality. Cannot be beat for the same money.

No. 12. 8½ inch. Henry pattern. Polished steel blades, screw fastened; volute spring. Blades are just as good as in higher priced shears and will do the work. Per pair, 55c, by paid parcel post.

No. 55. California pattern, with adjusting nut, polished, tool steel blades, tempered, volute spring. Good and very durable shears. Will last a long time. 9 inch, full polished, per pair 80c, by paid parcel post.

No. RS5. Swiss pattern. Full polished, best quality crucible steel blades, tempered, ground convex; adjusting nut and regulating ratchet; longitudinal double brass spring; removable handle-clip. Made in 3 lengths, 8, 8½ and 9 inches. Please specify size wanted. I know of no better pruning sheare. Each shear individually boxed, with an extra blade, which practically doubles the life of the shear. Price, $1.75 per pair, by paid parcel post.


Pruning Knige No. 4

PRUNING KNIVES

No. 1. This pruner is used by most nurseries. The blade is riveted in the handle and cannot be closed. Blade is made of finest high tempered steel. A first-class pruning knife at a low price. Price of Knife No. 1, 50c each, by paid parcel post.

No. 2. This iron handled knife is our best medium sized pocket Pruner; handle is thin, so as to be light and easy in the pocket, the blade is strong enough for nearly all nursery work and fully equal to anything needed in a hothouse. The handle is light malleable iron, in imitation of stag; it is in demand for strength and cheapness; will drive in a nail or peg without damage; weighs only 4 ounces. Price of No. 2, 60c each, by paid parcel post.

No. 3. Same knife as No. 2, but with solid ebony handle. Price of No. 3, 75c each, by paid parcel post.

No. 4. A very good combination knife used extensively in nurseries, parks and by fruit growers. 3½-inch handle. Cut gives exact size of handle and blades. Contains pruning blade, jack-knife blade and budding blade, so that it combines all the cutting tools needed in orchard or garden. Price of No. 4, $1.00 each, by paid parcel post.

All of the above knives have high tempered steel blades. I have used these knives in my nurseries for years. They are always even in quality. Manufactured by one of the best firms in the United States.

BLATCHFORD'S CALF MEAL

THE PERFECT MILK SUBSTITUTE

Will raise or veal calves at from one-third to one-quarter the expense of feeding milk. Raises better calves and saves the milk. You can't afford not to use it. Used and indorsed by experimental stations and farmers all over the world. It is absolutely the only milk substitute that contains all the elements necessary for bodily growth in the correct proportions. Pushes pigs, colts, lambs, etc., forward better and quicker than any other food. Prevents scouring.

100 POUNDS MAKES 100 GALLONS OF PERFECT MILK SUBSTITUTE

Prices F. O. B. Beatrice, freight not prepaid, are as follows:

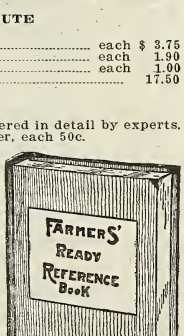
In 100 pound sacks	each	$ 3.75
In 50 pound sacks	each	1.90
In 25 pound sacks	each	1.00
500 pounds for		17.50

FARMERS' READY REFERENCE BOOK

The most complete Farm Book on the market. Every department of farm life is covered in detail by experts. Classified and indexed for convenient use. 186 pages. 5½ by 8½ inches. Paper cover, each 50c.

FREE BOOK OFFER

For every order taken from our catalog, amounting to $5.00 or over, we will send free of charge, one "Farmers' Ready Reference Book," provided cash is sent in with order. Only one book will be sent with every order and order must amount to $5.00 or over.



Tahoka, Texas, April 24, '14.

My Sonderegger Compass fruit was in full bloom when we had a freeze on the 8th of this month. (Frost killed all peaches and plums and most apples and pears.) But I still have a showing for about half a crop of them. I think they are just simply grand. My Franz apples are just now beginning to bloom. Have a fine showing for grapes and all kinds of berries. Respt. W. J. MONTGOMERY.

Helena, Mont., 4-12-14.

We are very much pleased with the trees you sent us. They arrived in perfect condition. They were planted a few hours only, till a gentle rain began to fall. When we are in need of trees, we will know whom to patronize. We shall put away your catalogue for future reference. Thanking you for the bulb you sent so graciously, we are, Respt. SISTERS OF THE GOOD SHEPHERD.

Clifton, Texas, 2-14-14.

Please send the seed I ordered, for I sure want your seed, for it is the best seed. Respt. MRS. WM. CONRAD.

GOOD FARM AND GARDEN BOOKS

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